

GoldStar

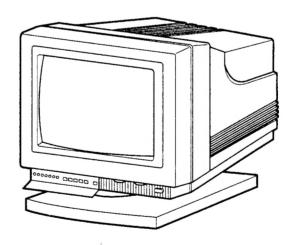
COLOR MONITOR SERVICE MANUAL

CAUTION

BEFORE SERVICING THE UNIT, READ THE "SAFETY PRECAUTIONS" IN THIS MANUAL.

ALSO COVERS

1715 1715 SSI



MODEL: CS760 / CS761

1720V

(CA-18 CHASSIS)



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SPECIFICATIONS	
1. PICTURE TUBE	3.POWER SUPPLY(Factory Preset)

: 17 inch Şize Gun : In-Line **Deflection Angle** : 90° Neck Diameter : 29.1 mm Phosphor :P22 :53.5% Transmission Dot Pitch : 0.26 mm

2. SIGNAL

2-1, HORIZONTAL & VERTICAL SYNC

1)Input Voltage Level: Low=0-0.4V, High=3.0-5.5V

2)Rise/Fall Time : Max 10nS 3)Over/Under Shoot: Max 10%

4)SYNC. Width : Horizontal=0.8~5uS

Vertical= 15uS~1mS

5)SYNC. Polarity : Positive or Negative

6)Composite SYNC, Signal Vertical SYNC. Width: 1H~10H.

: NON, 0.5H, 1H, EX-OR Serration Pulse

: 0.25~0.35Vpp Equalize Pulse * REMARK : H = Horizontal Period

2-2. VIDEO INPUT SIGNAL

1)Voltage Level :0~0.7V A)Color 0, 0 : 0 Vp-p B)Color 7, 0 : 0.467 Vp-p C)Color 15, 0 : 0.7 Vp-p 2)Rise/Fall Time : 5nS Max 3)Signal Polarity : Positive

4)Input Impedance : 750hm

5)Video Color : R G B ANALOG 6)Signal Format : Refer To Timing Chart

2-3. SIGNAL CONNECTOR 15 PIN D-SUB Connector

2-4. SCANNING FREQUENCY

HORIZONTAL :30~65kHz **VERTICAL** :50~120Hz

3-1, POWER RATING

AC 100~240V, 2.0A MAX. 60/50Hz

Free Voltage

4. DISPLAY AREA

4-1. Active Video Area : 300mm X 220mm 4-2. Display Color : Full Colors

4-3. Display Resolution : 1280 Dots X 1024 Lines

4-4. Video Bandwidth : 80MHz

5. EXTERNAL CONTROL

5-1. Front

: Power ON/OFF, Brightness, Contrast

5-2. Front: (In Door)

: MODE, UP, DOWN, RECALL, SAVE, DEGAUSS.

6. ENVIRONMENT

6-1. Operating Temperature: 10° C TO 35° C(Ambient) 6-2. Relative Humidity: 8% TO 80% (Noncondensing)

6-3. Altitude: 10,000ft

7.DIMENSIONS

Width : 424 mm : 480 mm Depth : 442 mm Height

8.WEIGHT (W/TILT SWIVEL)

Net Weight : 22.7 Kg Gross Weight : 26 Kg

PREFACE

SAFETY PRECAUTIONS

SAFETY-RELATED COMPONENT WARNING!

There are special components used in GoldStar color monitor which are important for safety. These parts are maked () on the schematic diagram and on the replacement parts list. It is essential that these critical parts should be replaced with the manufacture's specified parts to prevent X-RADIATION, shock, fire or other hazards. Do not modify the original design without obtaining written permission from GoldStar, And this will void the original parts and labor guarantee.

CAUTION: No modification of any circuit should be attempted.

Service work should be performed only after you are thoroughly familiar with all of the following safety checks and servicing guidelines.

SAFETY CHECK

Care should be taken while servicing this color monitor because of the high voltage used in the deflection circuits. These voltages are exposed in such areas as the associated flyback and yoke circuits.

FIRE & SHOCK HAZARD

- An isolation transformer must be inserted between the color monitor and AC power line before servicing the chassis.
- In servicing, attention must be paid to the original lead dress sepecially in the high voltage circuit. If a short circuit is found, replace all parts which have been overheated as a result of the short circuit.
- All the protective devices must be reinstalled per original design.
- Soldering must be inspected for the cold solder joints, frayed leads, damaged insulation, solder splashes or the sharp points. Be sure to remove all foreign materials.

IMPLOSION PROTECTION

All used display tubes are equipped with an integral implosion protection system, but care should be taken to avoid damage and scratching during installation. Use only same type display tubes.

X-RADIATION

The only potential source of X-Radiation is the picture tube. However, when the high voltage circuitry is operating properly there is no possibility of an X-Radiation problem. The basic precaution which must be exercised is keep the high voltage at the factory-recommended level: the normal high voltage is 26kV and must not exceed 29kV at zero beam current at rated voltage. The following steps describe how to measure the high voltage and how to prevent X-radiation.

Note:It is important to use an accurate high voltage meter calibrated periodically.

- To measure the high voltage, use a high impedance high voltage meter, Connect (-) to chassis and (+) to the CRT anode button.
- Turn the brightness control fully clockwise.
- Measure the high Voltage. The high voltage meter should indicate at the factory-recommended level.
- If the upper meter indication exceeds the maximum level,immediate service is required to prevent the possibility of premature component failure.
- To prevent X-Radiation possibility, it is essential to use the specified picture tube.

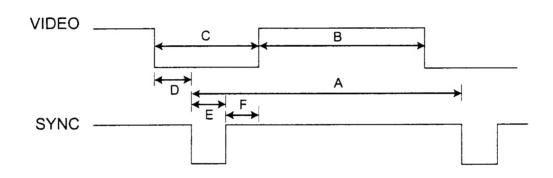
CAUTION:

Please use only plastic screwdriver for shock protection during service operation.

FEATURES

- -This Color Monitor is a high-quality, high-content Analog Display. It has the following features:
- 17 inch Color Display
- 3 Different, independent lines to drive a RED, a GREEN and a BLUE Line.
- 80MHz Bandwidth.
- High-Resolution CDT (Color Display Tube) Display: Horizontal 1280 dots, vertical 1024 lines without blurring the charcters.
- Analog-Compatibility with a H-frequency of 30-65KHz

TIMING CHART



	MODE	MODE 1	MODE 2	MODE 3	MODE 4	MODE 5	MODE 6	MODE 7
FRE	a.	VGA 2	VGA 3	800x600(56Hz)	800×600(60Hz)	1024×768(60Hz)	1024X768(70Hz)	1280X1024
Н	POLARITY	NEGA	NEGA	NEGA	POSI	POSI	NEGA	NEGA
O R	FREQUENCY	31.47 kHz	31.47 kHz	35.16kHz	37.88kHz	48.36kHz	56.48kHz	64.27kHz
I I	Α	31.78 uS	31.78 uS	28.45uS	26.40uS	20.67uS	17.71uS	15.56uS
Z	В	25.42 uS	25.42 uS	22.22uS	20.00uS	15.75uS	13.65uS	11.85uS
0	С	6.36 uS	6.36 uS	6.23uS	6.40uS	4.92uS	4.06uS	3.70uS
T	D	0.64 uS	0.64 uS	0.67uS	1.00uS	0.60uS	0.32uS	0.30uS
Α	E	3.81 uS	3.81 uS	2.00uS	3.20uS	3.20uS	1.81uS	0.59uS
L	F	1.91 uS	1.91 uS	3.56uS	2.20uS	1.12uS	1.93uS	2.82uS
V	POLARITY	POSI	NEGA	NEGA	POSI	POSI	NEGA	NEGA
E	FREQUENCY	70.08 Hz	59.94 Hz	56.25Hz	60.32Hz	60.08Hz	70.07Hz	60.14Hz
R	Α	14.27 mS	16.68 mS	17.78mS	16.58mS	16.65mS	14.27mS	16.629mS
	В	12.71 mS	15.25 mS	17.07mS	15.84mS	15.88mS	13.60mS	15.929mS
С	С	1.56 mS	1.43mS	0.71mS	0.74mS	0.77mS	0.67mS	0.700mS
A	D	0.413 mS	0.349mS	0.028mS	0.026mS	0.062mS	0.053mS	0.124mS
_	Е	0.064 mS	0.064 mS	0.057mS	0.106mS	0.062mS	0.106mS	0.078mS
	F	1.08 mS	1.017 mS	0.626mS	0.607mS	0.641mS	0.514mS	0.498mS

A: SYNC. TIME

D: FRONT PORCH

B: VIDEO ACTIVE TIME

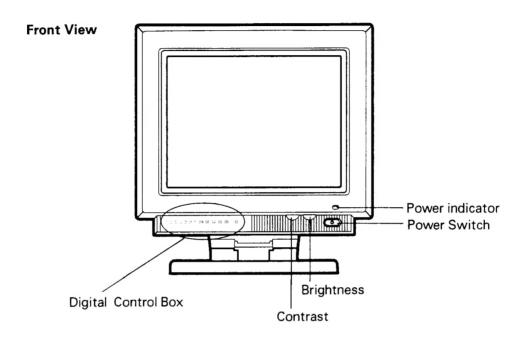
E: SYNC PULSE DURATION.

C: BLANKING TIME

F: ACK PORCH

LOCATION and Function of Controls

This high resolution color monitor uses a 15-pin "D" type connector for analog input. Figure 1. Show the monitor controls on the front and rear panels.



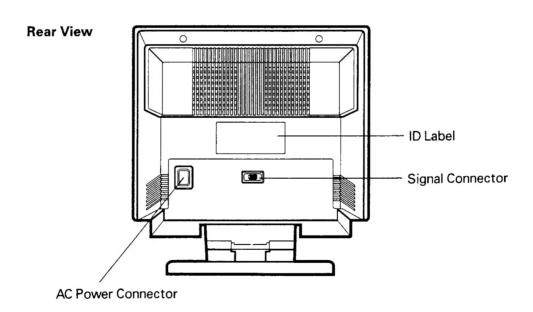


Figure 1, Controls on the front and rear panels.

Contrast

Adjust the Display to the contrast preferred by the user.

Brightness

Used to adjust the Brightness of the screen.

Power Switch

Used to turn the power On or Off.

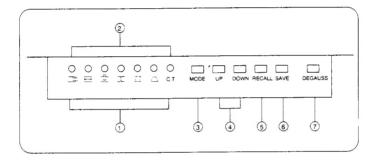
· Power indicator

The power indicator lights when the power is On.

· AC Power connector

Connect to the AC inlet with the supplied AC power cord.

Digital Control Box



1) Digital control icon

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1 1 :	Horizonta	LPOSITIO

Side Pincusion

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1	1 1	\mathbf{O}	1201	ILCII	V V	IUL

Vertical Position

C. T Color Temperature

Verical Height

2) Digital control indicator

When one of the seven digital controls is selected the LED above that digital control icon is lit for indication.

3) MODE button

Push this button for using a microprocessor and selecting an item to be adjusted.

4) UP/DOWN button

Used to set digital values preferred for each of the selected digital control item by pressing the UP button for increment or the DOWN button for decrement.

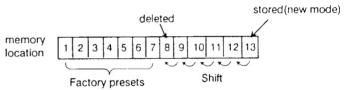
5) RECALL button

You can recall user preset data for the selected digital control item from the latest preset data by pressing this button.

6) SAVE button

When the display position, size, geometric distrortion and color temperature are adjusted as desired, push the SAVE and the MODE button at the same time. And then the all digital control indicators blink 3 times. If this button is not pushed at the dame time, Adjusted data is not stored in the memory.

notes; When the memory location is full, if the adjusted data is stored for new mode, all digital control indicator is blink 10 times quickly and stored mode in the eighth memory location will be deleted and stored mode in the eight memory location will be deleted and then the new mode data is stored in the thirteenth memory location.



notes; The 7 standard display modes of IBM and VESA are factory preset at memory location from 1 to 7, in accordance with GS Ergonomic Rule.

therefore, do not adjust these 7 factory preset modes, as possible if, when adjust the one of these 7 factory preset modes as well as add to your special display mode.

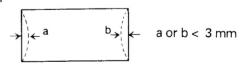
You should adjust correctly the geometric distortion with reference as follows and then save the adjusted data.

7) DEGAUSS

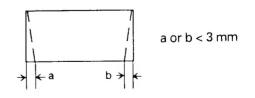
In order to eliminate the color impurity. Push in and hold the defaussing switch for a few seconds.

refer "How to use DIGITAL CONTROL BOX"

1) pincushion



2) trapezoid



ADJUSTMENT

GENERAL INFORMATION

All adjustment are thoroughly checked and corrected. Therefore the monitor should operate normally. The monitor should produce proper color and the picture be on installation.

However, several minor adjustments may be required depending on the particular location which the monitor is to operate. This monitor is shipped in complete carton.

Carefully draw out the monitor from the carton and remove all packing materials.

Check and adjust all the custromer controls to obtain a normal picture such as Brightness and Contrast.

AUTOMATIC DEGAUSSING

A degaussing coil is mounted around the picture tube so that unnecessary magnetism can be degaussed after moving the monitor. The monitor should be properly degaussed upon installation.

If the set is moved or faced in a different direction, wait for a minimum 10 minutes in order that the automatic degaussing circuit may operated properly. Should the chassis or parts of the cabinet become magnetized to cause poor color faceplate of the picture tube, the sides and front of the monitor, Slowly draw out the coil to a distance of about 2 meters before disconnecting it from the AC source. If color shading still persists, perform the convergence

RASTER CENTER ADJUSTMENT.

- 1. Display cross-hatch pattern at Mode 7.
- 2. Turn the brightness volume to the maxmum so that the back raster should be visible.
- 3. Adjust the H-center volume (VR701) so that the center of the raster should be on the mechanical center of the screen.

FOCUS ADJUSTEMENT.

- 1. Set the Bright VR and Contrast VR to Max.
- 2. Display "H" character in full screen (color 7,0)
- 3. Adjust Focus VR of FBT so that the focus should be best condition.

B+ / HIGH VOLTAGE / H-HOLD / V-HOLD / X-RAY PROTECTION / V-LIN / WHITE BALANCE / LUMINANCE ADJUSTMENT.

- 1. Install the cable for adjustment such as Fig 2.
- 2. Run the program delivered from Goldstar for the special adjustment.
- 3. Select the item on the screen you want to adjust.
- 4. Adjust it as the program introduction.

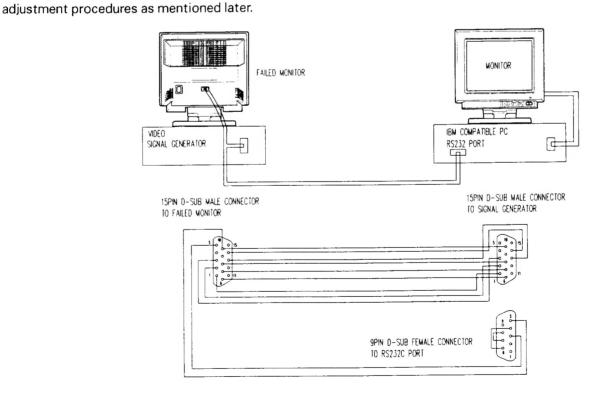
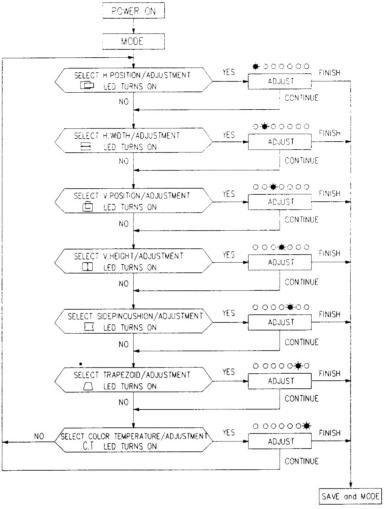


Figure 2, Cable Connection

POWER ON

"DIGITAL CONTROL BOX"



After pushing the SAVE and the MODE button, the image adjusted by users will be saved into the memory on the monitor CPU. Therefore, when the monitor is powered on again, the image is displayed exactly the same as saved by users.

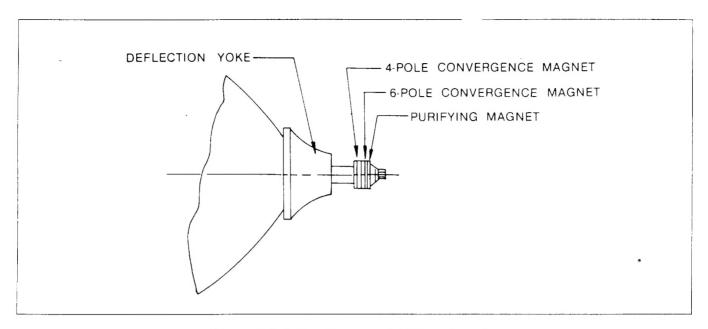


Figure 3, Relative Placement of Components

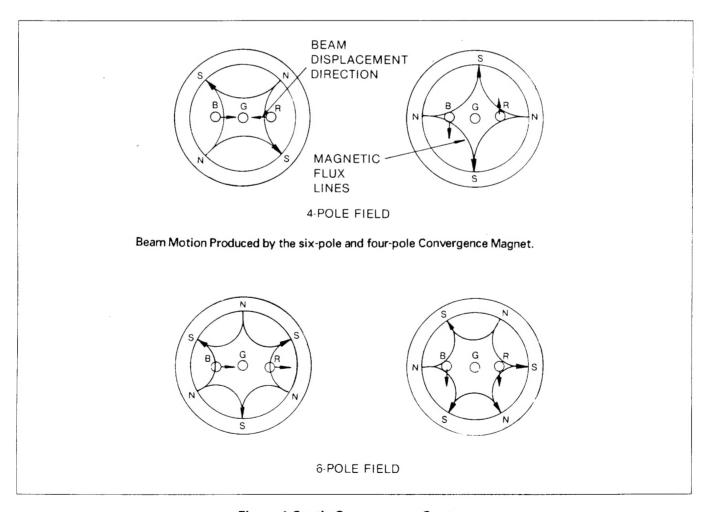
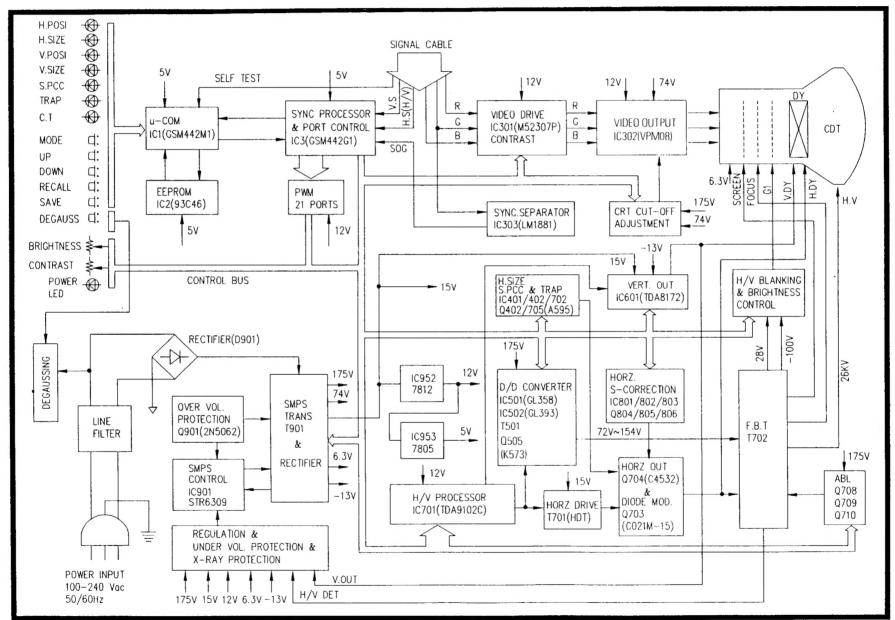


Figure 4, Static Convergence System



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and the second

-10-

2) DESCRIPTION OF BLOCK DIAGRAM

LINE FILTER

This circuit is used for EMC (Electro-Magnetic Compatibility.)

When some noise is generated in this chassis this line filter (L901.902) can reduce interference of noise.

DEGAUSSING

This circuit consists of degaussing coil and posister. When power SW is on, this chassis is degaussed automatically.

SMPS (SWITCHING MODE POWER SUPPLY)

This SMPS covers wide input voltage from AC 100V/60Hz to AC 240V/50Hz.

When the power SW is on, the operating procedure is as follows.

- The AC input voltage is rectified by D901. The rectified DC voltage is supplied to primary of SMSP transformer (T901)
- 2) The control IC (IC901) of SMPS start switching and generate switching pulse.
- The switching pulses of secondary induced from primary coil of T901 are rectified by each rectifier diodes (D951, D952, D953, D954D955) in accordance with turn ratio.
- 4) Each rectified DC voltages (6.3V, 175V, -13V, 15V, 74V) is supplied to secondary circuit.

UNDER VOLTAGE PROTECTION.

The under voltage protection circuit consists of comparator (IC 101), switching transistor (Q101, 102, 902), photo coupler (IC 902) and the related components. If the output of comparator (IC101) is low level, switching transistor and photo coupler are turned on at the abnormal conditions. Therefore, control IC (IC901) stops operating.

OVER VOLTAGE PROTECTION.

The over voltage protection circut consists of zener diode (D906), SCR (Q901) and the related components. If the secondary DC voltage are higher than design value at abnormal condition, the over voltage protection circuit (D906, Q901) is turned on. And then control IC (IC901) shut down operating.

X-RAY PROTECTION.

This chassis has high voltage detector in fly back transformer (T702). When the high voltage is reached at 29KV, the primary circuit is stops operating by IC901 and IC101.

u- COM CONTROL

The operaing procedure of micro processor is as follows.

- 1) The sync signal is supplied to sync processor (IC3).
- 2) The operating mode is discriminated by microprocessor and the operating condition of the monitor is controlled by port controller (IC3) and pulse width modulation.

- 3) The design value of each mode data is stored at EEPROM (IC2) and read by micro processor.
- The screen condition can be controlled by users. The controlled data can de stored at EEPROM with MODE, SAVE key.

HORIZONTAL AND VERTICAL PROCESSOR

H/V processor has sync detector, saw tooth generator and drive function.

HORIZONTAL DRIVE OUTPUT AND DIODE MODULATION.

This circuit is horizontal deflection amplifier for horizontal raster scan.

D/D CONVERTER.

This circuit supply variable DC voltage to the fly back transformer and the horizontal output circuit for constant high voltage.

The variable range of DC voltage can vary from 75V to 155V.

HORIZONTAL S-CORRECTION.

This circuit compensate for horizontal linearity in proportion to horizontal frequency automatically.

ABL (AUTO BRIGHTNESS LIMIT)

This circuit limits beam current so that beam current may not flow excessively.

VERTICAL OUTPUT

This circuit is saw tooth amplifier for vertical raster scan.

H/V BLANKING & BRIGHTNESS CONTROL.

- 1) The blanking circuit cut off the beam current during retrace period horizontal and vertical.
- 2) The brightness is controlled by varying the DC level of cathode ray tube's grid 1.

VIDEO DRIVE

The video driver (IC301) amplifies the the, R, G, B video signal supplied from PC and the amplified video signal is supplied to the video amp (IC 302), varing the DC level of the contrast control port, the video driver (IC 301) controls the video gain.

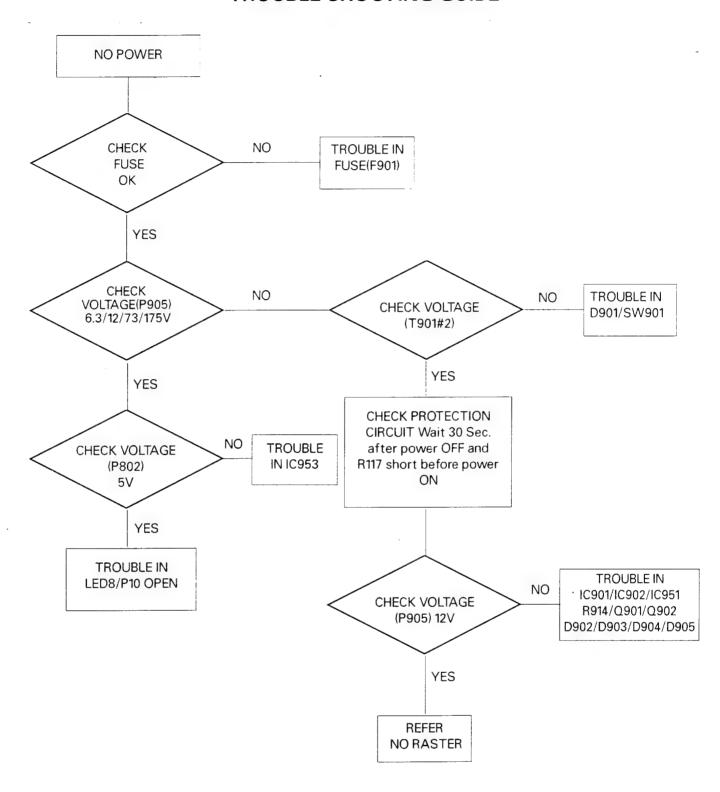
VIDEO OUTPUT

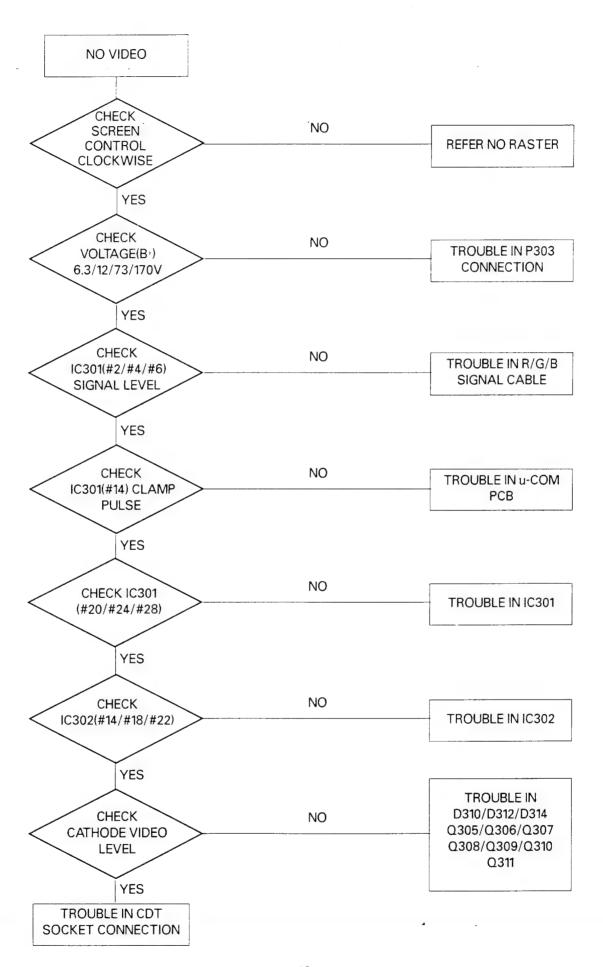
The video signal of each channel is amplified by IC302, each ampcified dignal drive dach cathode of CDT.

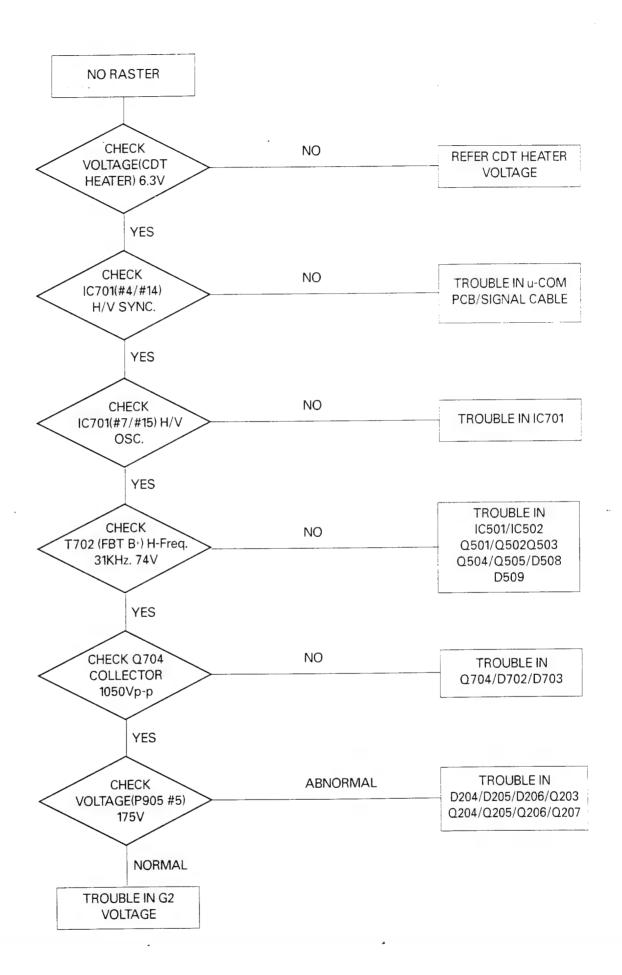
CDT CUT-OFF ADJUSTEMENT.

This circuit compensate for the voltage variation of each cathode and adjust the white balance of back ground.

TROUBLE SHOOTING GUIDE

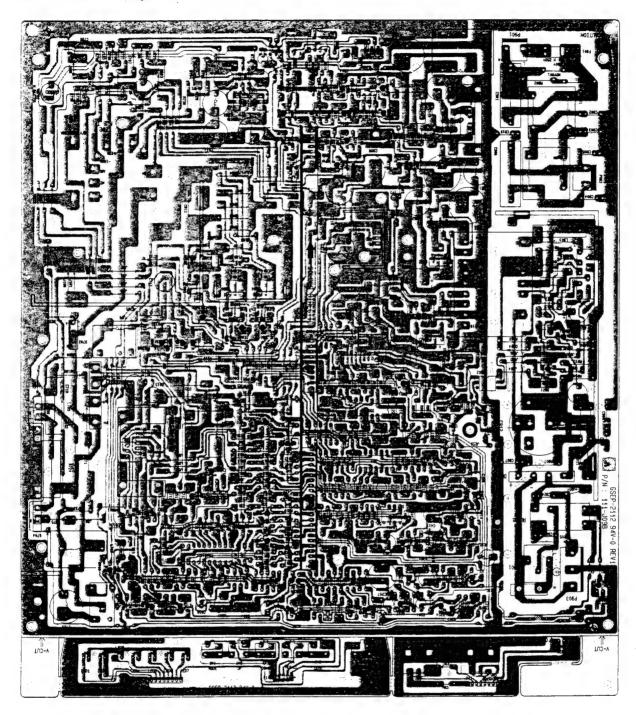




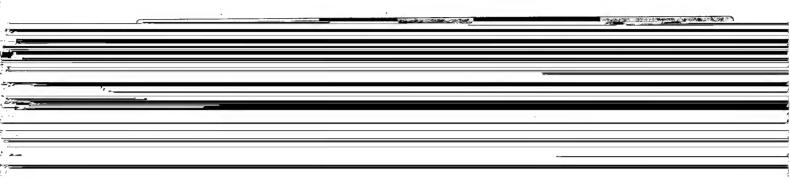


PRINTED CIRCUIT BOARD

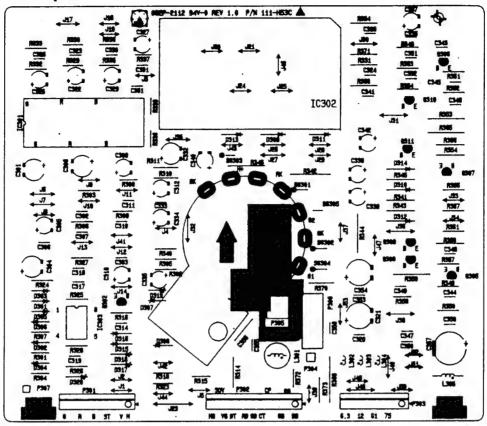
1. Main Board (Top Side)



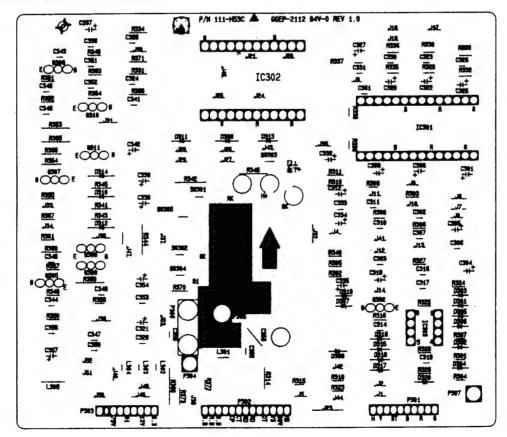
2. Main Board (Bottom Side)



3. Video Board (Top Side)

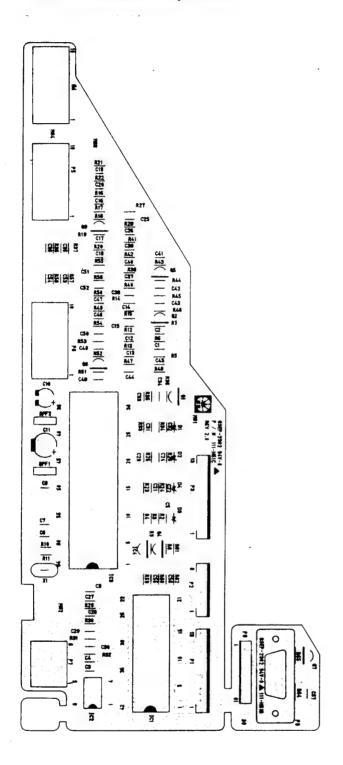


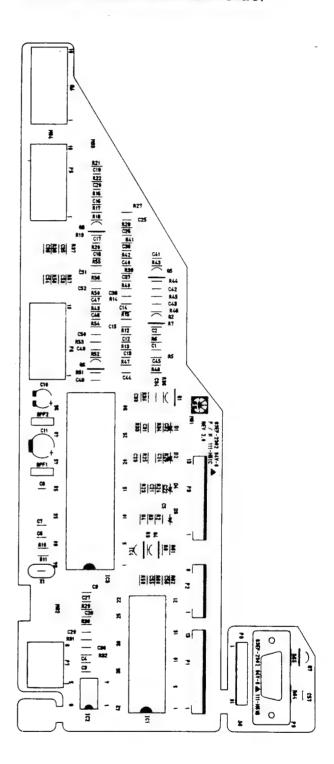
4. Video Board (Bottom Side)

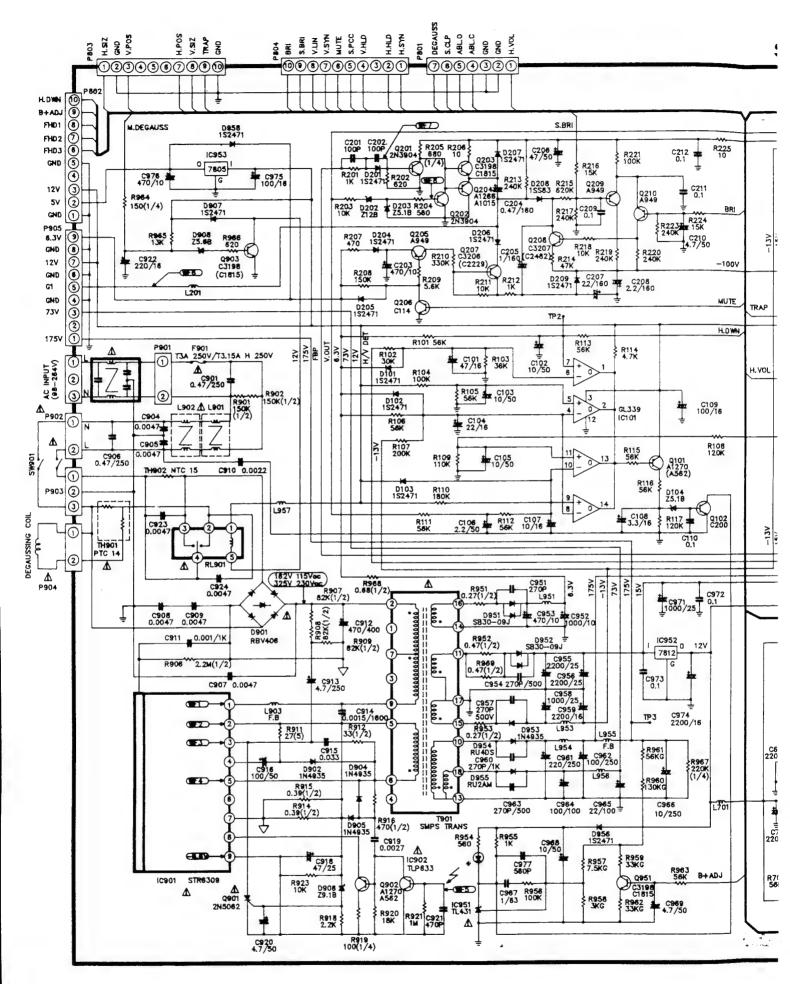


5. u-Com Board (Top Side)

6. u-Com Board (Bottom Side)







Q951 C3198 C1815

R962 + C969 33KG + 4.7/50

R958 3KG

C967 R956 1/63 100K

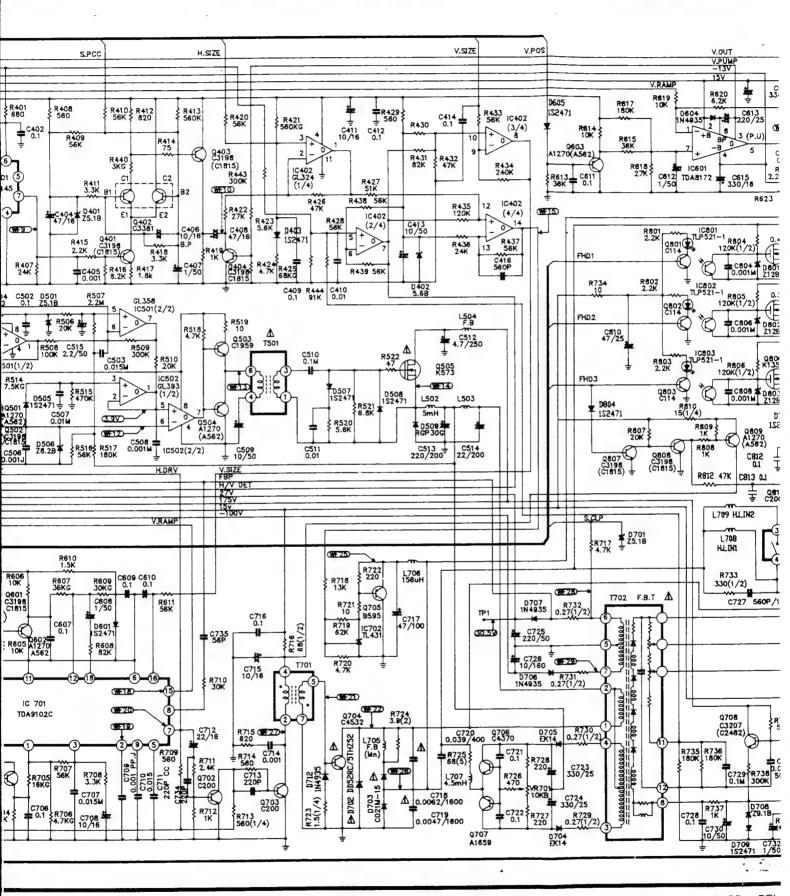
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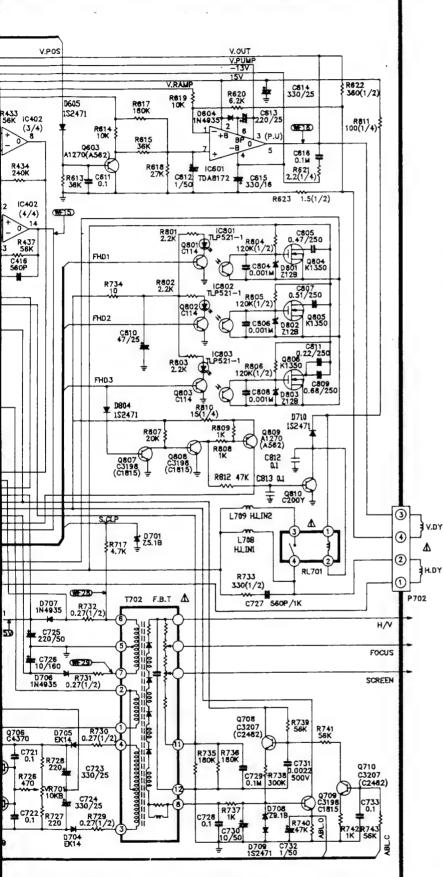
IC951 TL431

R701 56K

R713 560(1/4)

C706





NOTES: UNLESS OTHERWISE SPECIFIED

- 1. ALL RESISTORS ARE 1/6W, +/- 5 % VALUES IN OHMS G=+/- 2 %, K=1000, M=1000000
- 2. ALL CAPACITORS ARE SHOWN IN UF, p = 10E-12F
- 3. ALLPOINT VOLTAGE ARE DC VOLTAGE.

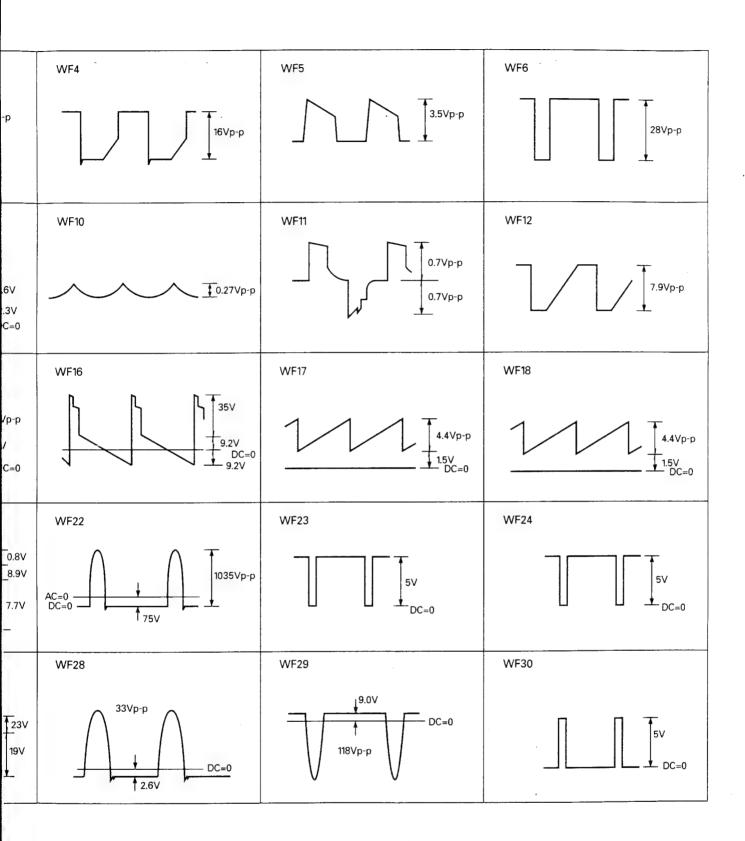
IMPORTANT SAFETY NOTICE

THE ASYMBOL MARK OF THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION, FIRE AND ELECTRICAL SHOCK HAZARDS, WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURERS SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE ASYMBOL MARK OF THE SCHEMATIC.

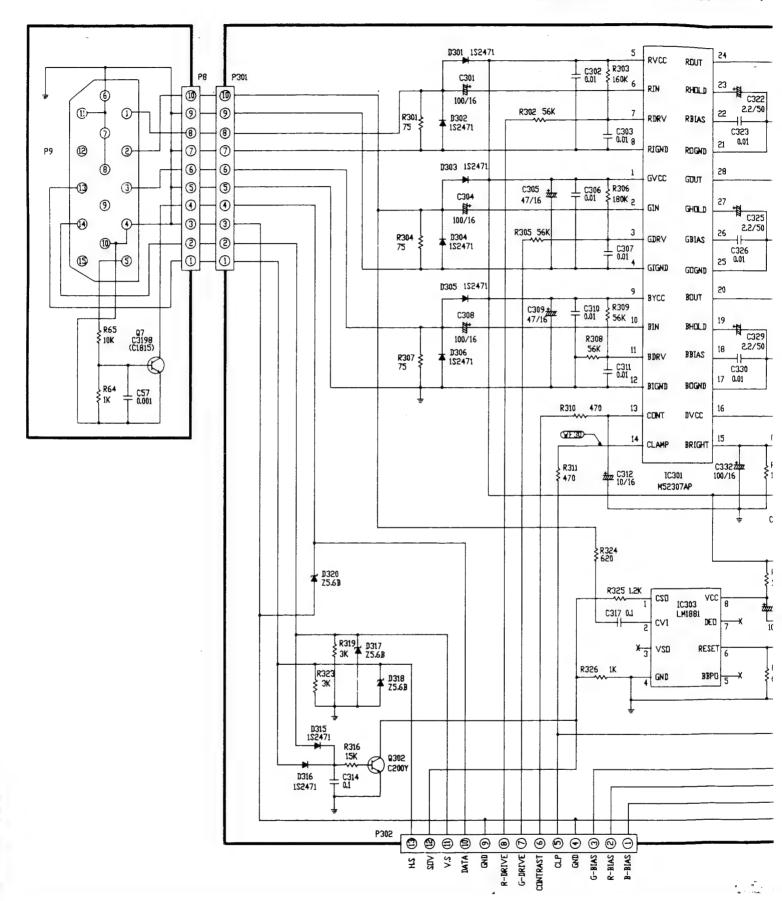
IMPORTANT AVIS SUR LA SECURITE

LA ASYMBOLE MARQUE DE CE DIAGRAMME SCHEMATIQUE COMPREND DIMPORTANTES CARÁCTERISTIQUES SPÉCIALES CONCUES POUR PROTÉGER DES RAYONS X, ET DES DANGERS DINCENDIE ET DE SECOUSSES ÉLECTRIQUES. EN CAS DE BESOIN SI DES PIECES DE CETTE SYMBOLE MARQUE DOIVENT ETRE REMPLACE'S N'UTILISEZ QUE DES PIECES SPÉCIFIEES PAR LE MANUFACTURIER.

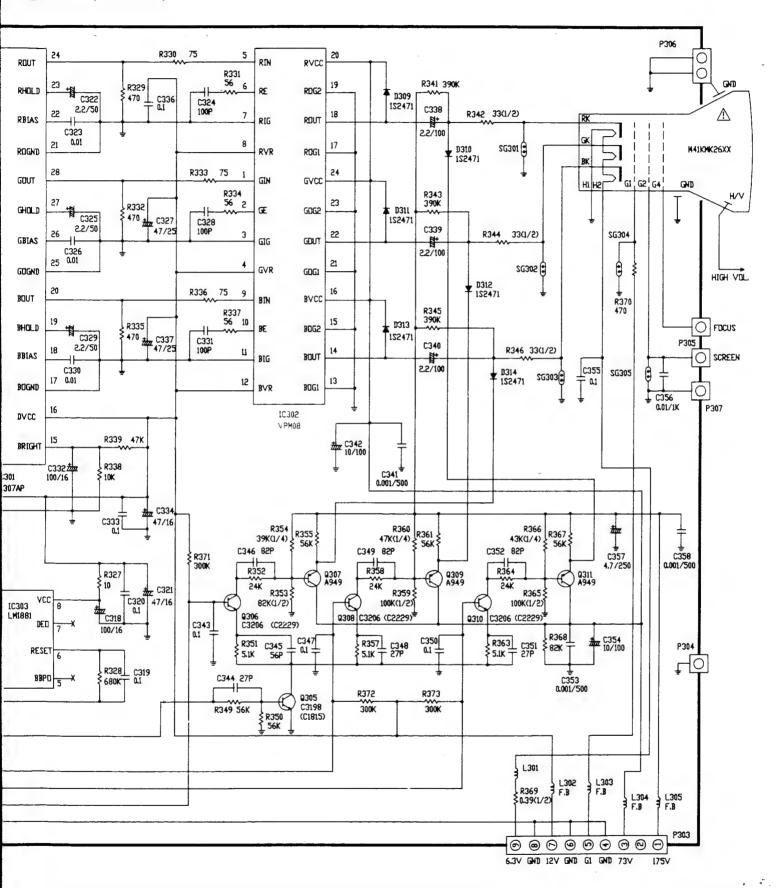
S.E. PORM (AT V	WF2	WF3	WF4
300Vp-p (460Vp-p)	0.35Vp-p	1Vp-p	
	WF8	WF9	WF10
0.9Vp-p	29Vp-p	1.6V 2.3V DC=0	<u> </u>
-	WF14	WF15	WF16
13Vp-p	175Vp-p	1.0Vp-p 8.1V DC=0	
-	WF20	WF21 9.4Vp-p	WF22
4.0Vp-p 2.5Vp-p DC=0	10.4Vp-p	DC=0	AC=0 DC=0
2	WF26	WF27	WF28
3.5V 8.7V DC=0	144V	19V	



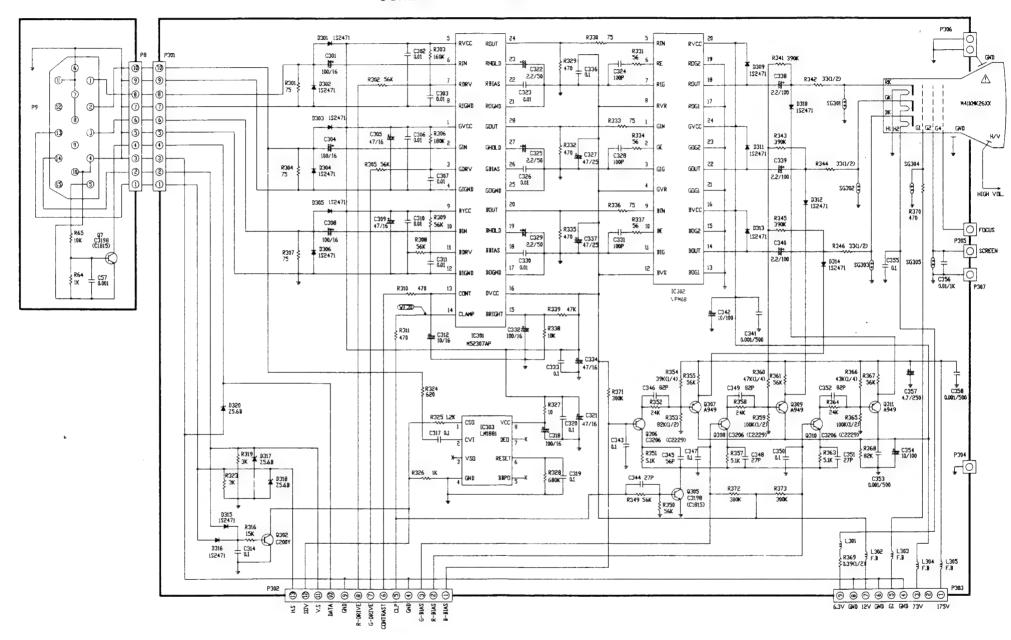
SCHEMATIC DIAGRAM (\



IAGRAM (VIDEO)

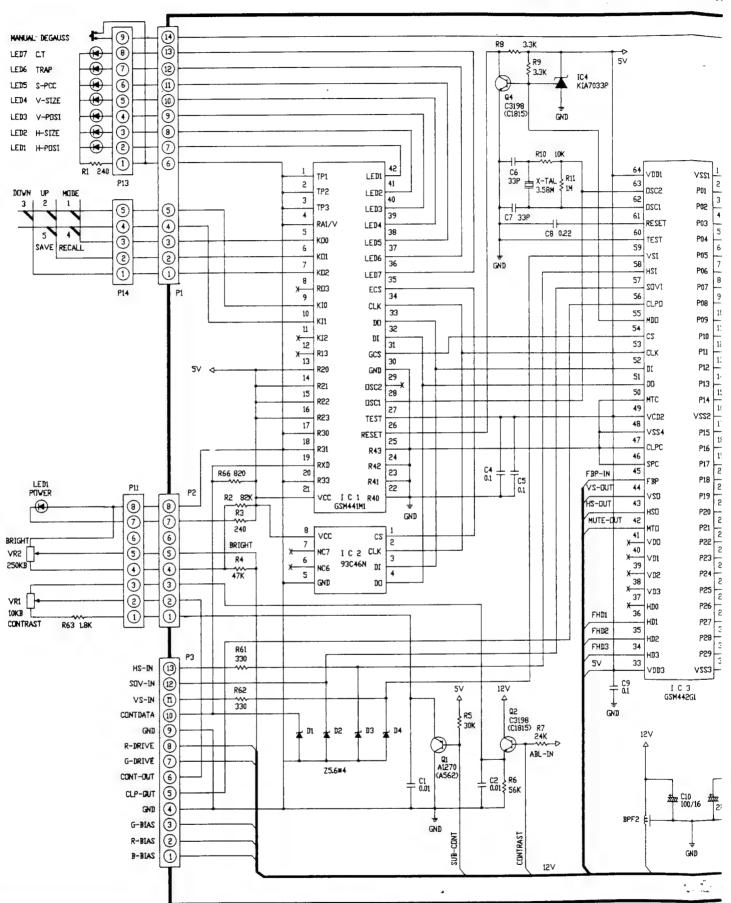


SCHEMATIC DIAGRAM (VIDEO)

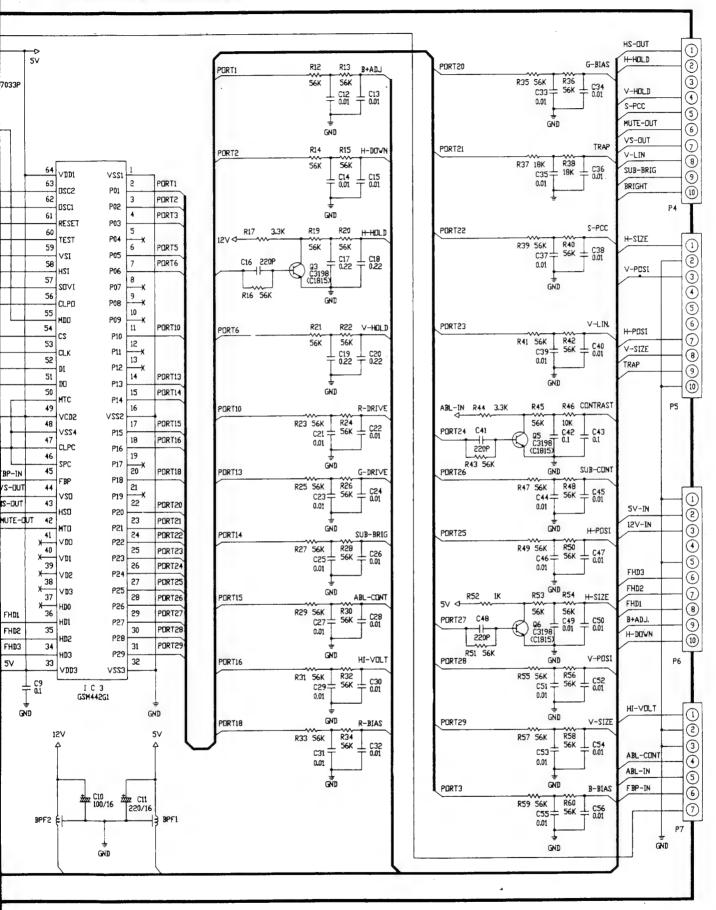


-24-

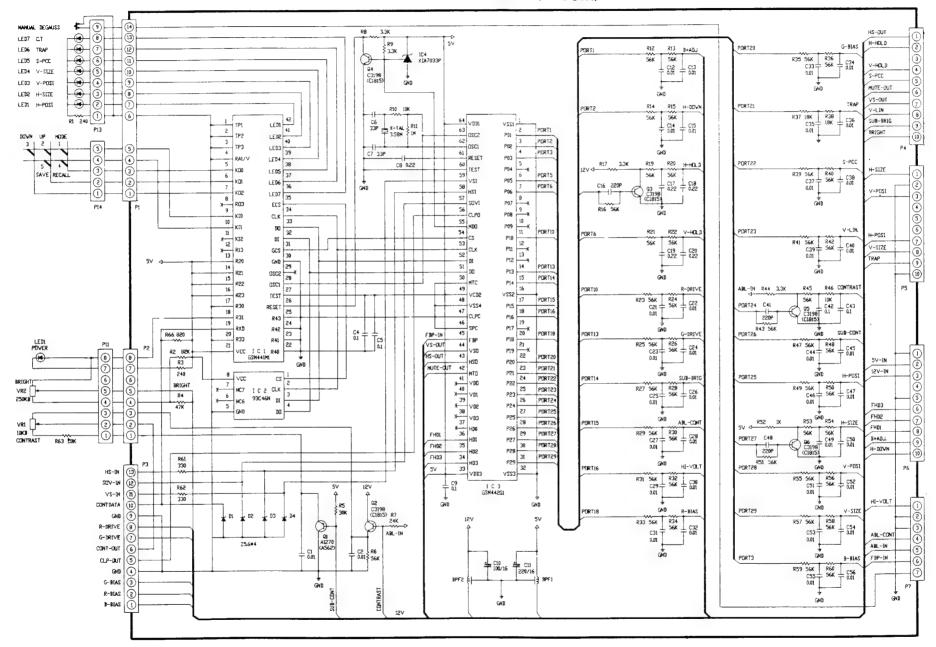
SCHEMATIC DIAGRAI



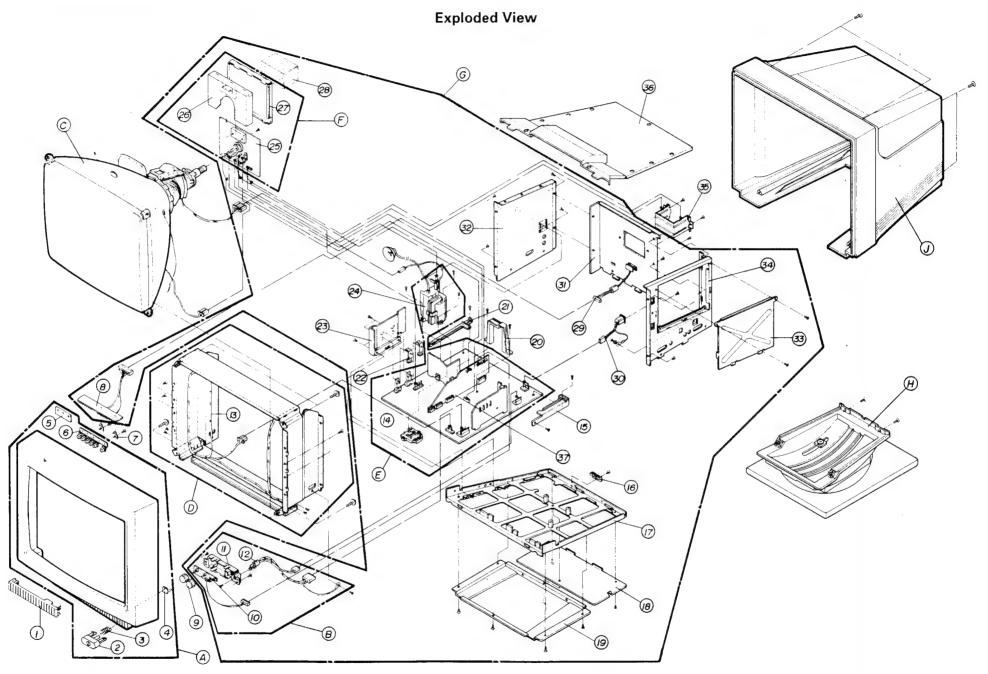
IATIC DIAGRAM (MICOM)



SCHEMATIC DIAGRAM (MICOM)



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MATERIAL LIST

NO.	PART NO.	DESCRIPTION	Q'TY	MATERIAL	REMARK
1	315-526A	DOOR MICOM, CS730N	1	LUCKY ABS 303S	UL94Vo
-	315-551A	DOOR MICOM, CS731N/1710	1	LUCKY ABS 303S	UL94Vo
2	440-863A	KNOB POWER, CS730N	1	LUCKY ABS 303S	UL94Vo
-	440-872A	KNOB POWER, CS731N/1710	1	LUCKY ABS 303S	UL94Vo
3	320-160G	SPRING COIL, CS730N	1	SCST 304(T=0.4)	
-	320-160F	SPRING COIL, CS731N/1710	1	SCST 304(T=0.4)	
4	316-128A	WINDOW POWER LED, CS730N	1	LUCKY PMMA IH-830	UL94HB
-	316-132A	WINDOW POWER LED, CS731N/1710	1	LUCKY PMMA IH-830	UL94HB
5	316-125A	WINDOW MICOM LED	1	LUCKY PMMA IH-830	UL94HB
6	440-862A	KNOB ASSY MICOM	1	LUCKY ABS 303S	UL94Vo
7	340-474A	BRACKET MICOM PCB	2	SBHG ₁ -A(T=1.0)	
8	110-U61C	PCB ASSY U-COM CONTROL	1		
9	440-840B	KNOB CONTROL	2	LUCKY ABS 303S	UL94Vo
10	110-U60A	PCB ASSY, VOL ASSY	1		
11	341-702A	HOLDER VOLUME	1	LUCKY ABS 303S	UL94Vo
12	387-759B	CONNECTOR ASSY	1	POWER SWITCH	
13	150-920A	COIL DEGAUSSING	1		
14	340-494A	BRACKET FBT SUPPORT	1	LUCKY ABS 303S	UL94Vo
15	340-496A	BRACKET PCB SUP(R)	1	LUCKY ABS 303S	UL94Vo
16	340-443A	BRACKET PDB FIX	1	LUCKY ABS 303S	UL94Vo
17	340-468B	BRACKET MAIN	1	SBHG ₁ -A(T=1.0)	
18	340-469A	BRACKET BASE SHIELD	1	SBHG1-A(T=0.5)	
19	340-470A	BRACKET T/S BASE	1	SBHG ₁ -A(T=1.0)	
20	340-495A	BRACKET MICOM PCB	1	LUCKY ABS 303S	UL94Vo
21	340-496B	BRACKET PCB SUP(L)	1	LUCKY ABS 303S	UL94Vo
22	407-N71A	PLATE IC FIX	3	SBHG ₁ -A(T=1.0)	
23	407-P16A	PLATE HEAT SINK	1	AL(T=2.0)	
24	154-217A	FBT	1		
25	110-X77A	PCB ASSY VIDEO	1		
26	407-N50A	PLATE HEAT SINK	1	AL(T=2.0)	
27	407-N51A	PLATE SHIELD	1	STPE(T=3.0)	
28	325-032A	CUSHION SPONGE	1	POLYURETHANE FOAM	
29	387-763F	CONNECTOR ASSY	1		
30	387-800B	CONNECTOR ASSY	1	AC SOCKET	
31	340-463B	BRACKET REAR VIDEO	1	SBHG ₁ -A(T=1.0)	
32	340-471B	BRACKET SIDE SHIELD	1	SBHG ₁ -A(T=0.5)	
33	340-467A	BRACKET SMPS SHIELD	1	SBHG ₁ -A(T=0.5)	
34	340-465A	BRACKET SMPS	1	SBHG ₁ -A(T=1.0)	
35	340-502A	BRACKET REAR SUPPORT	1	SBHG ₁ -A(T=0.5)	
36	340-473B	BRACKET TOP SHIELD	1	SBHG1-A(T=0.5)	
37	110-X79A	PCB ASSY U-COM	1		
38	170-125A	LEAD SET, CRT EARTH	1		
39					
40				•	

NO.	PART NO.	DESCRIPTION	Q'TY	MATERIAL	REMARK
Α	300-566B	CABINET ASSY, CS730N	1	LUCKY ABS RF225, AF315	UL945V
	300-A58B	CABINET ASSY, CS731N/1710	1	LUCKY ABS RF225, AF315	UL945V
В	309-345A	CHASSIS ASSY VOLUME	1		
С	112-854B	- CPT ·	1	M41KXL23XX	
D	312-359B	FRAME ASSY	1		
E	110-X81A	PCB ASSY MAIN	1		
F	110-X76A	PCB ASSY VIDEO, TOTAL	1		
G	309-449A	CHASSIS ASSY MAIN TOTAL	1		
Н	231-022A	T/S ASSY	1	TOP: LUCKY ABS RF225, AF315	UL945V
				MIDDLE: LUCKY ABS HF350	UL94HB
				BOTTOM: LUCKY ABS HF350	UL94HB
J	303-G33B	COVER ASSY BRACKET	1	LUCKY ABS RF225, AF315	UL945V

REPLACEMENT PARTS LIST

CAUTION: Before replacing any these components, read carefully the "SAFETY PRECAUTION" on page 3.

Do not degrade the safety of the receiver through improper servicing.

ABBREVIATIONS: Capacitors CC: Ceramic (TC), CE: Chemical, CK: Ceramic (Hi-K) MPP(BUP): Metalized Polypropylen, BP: Bipolor, CQ: Mylar

RN : Metal Film, RV : Variable, RF: Fusing, SR : Semifix (All CC and Plastic Capacitors are \pm 5%, 50 Volts and all resistor, \pm 5%, 1/8W unless otherwise noted).

S : Recommend Service, R : Replacement Service Parts.

1. MAIN BOARD

REF.NO.	PART NO.	DESCRIPTION	REMARK
(CAPACITOR		
C101	0CE4766F618		R
C102	0CE1066K618		R
C103	0CE1066K618		R
C104	0CE2266F618	1	R
C105	0CE1066K618	CE,10/50	R
C106	0CE2256K618	CE,2.2/50	R
C107	0CE1066F618	CE,10/16	R
C108	0CE3356K618	CE.3.3/50	R
C109	0CE1076F618	CE,100/16	R
C201	0CC1010K405	CC,100P	R
C110	OCK1040K945	CK,0.1	R
C202	0CC1010K405	CC,100P	R
C203	0CE2776D618	CE,470/10	R
C204	0CE4746P618	CE,0.47/160	R
C205	OCE1056P618	CE,1/160	R
C206	0CE4766K618	CE,47/50	R
C207	0CE2261P630	CE,22/160	R
C208	0CE2256P618	CE,2.2/160	R
C209	OCK1040K945	CK,0.1	R
C210	0CE4756K618	CE,4.7/50	R
i i	0CK1040K945	CK,0.1	R
C212	0CK1040K945	CK,0.1	R
1	0CE1076K618	CE,100/50	R
	OCK1040K945	CK,0.1	R
	OCK1040K945	CK,0.1	R
	0CE4766F618	CE,47/16	R
	OCK1020K515	CK,0.001	R
	181-064P	BP, 10/16	R
	OCE 1056K618	CE,1/50	R
	0CE4766F618	CE,47/16	R
	0CK1040K945	CK, 0.1	R
	0CK1030K945	CK,0.01	R
	0CE1066F618	CE, 10/16	R
1	0CK1040K945	CK, 0.1	R
	0CE1066K618	CE,10/50	R
	0CK1040K945	CK, 0.1	R
1	0CC5610K405	CC,560P	R
	0CE2266F618	CE,22/16	R
1	0CK1040K945	CK,0.1	R
1	0CK1040K945	CK,0.1	R
	0CQ1531N519	CQ,0.015U	R
	OCE2276H618	CE,220/25	R
	0CC5610K405	CC,560P	R
	181-300A	PP,0.001J	R
	0CQ1031N419	CQ,0.01M	R
	0CQ1021N419	CQ,0.001	R,
	181-288B	CE,10/50 CQ,0.1	R
	OCK1030K945	CK,0.01	R
-	DCE4751R630	CE,4.7/250	R
		CE,220/200	R
C513 (DCE227CQ6501	LE. 220/200	

REF.NO.	PART NO.	DESCRIPTION	REMAR
	CAPACITOR		
C515	0CE2256K618		R
C601	181-288G	CQ,0.33	R
C602	0CE2276F618		R
C603	0CK1040K945	CK,0.1	R
C604	OCE2276F618	,	R
C605	0CK1040K945	CK,0.1	R
C606	0CK1040K945	CK,0.1	R
C607	OCK1040K945	CK,0.1	R
C608	0CE1056K618	CE,1/50	R
C609	0CK1040K945	CK,0.1	R
C610	0CK1040K945	CK,0.1	R
C611	0CK1040K945	CK,0.1	R
C612	0CE1056K618	CE,1/50	R
C613 C614	0CE2276H618	CE,220/25	R
C615	OCE337BH638	CE,330/25 CE,330/16	R
C616	181-288B	CQ, 0.1M	R R
C701	0CE2276F618	CE,220/16	R
C702	0CK1040K945	CK,0.1	R
C703	0CK1040K945	CK,0.1	R
C704	OCK1040K945	CK,0.1	R
C705	OCK1040K945	CK,0.1	R
C706	OCK1040K945	CK,0.1	R
C707	0CQ1531N519	CQ,0.015U	R
C708	0CE1066F618	CE,10/16	R
C709	181-300A	PP,0.001J	R
C710	0CQ1531N519	CQ,0.015U	R
C711	0CC2210K405	CC,220P	R
¢712	0CE2266F618	CE,22/16	R
C713	0CC2210K405	CC,220P	R
C714	OCK1020K515	CK,0.001	R
C715	0CE1066F618	CE,10/16	R
C716	OCK1040K945	CK,0.1	R
C717	181-314A	CE,47/100	S
C718	181-309R	MPP,0.0062/1600	S
C719	181-309N	MPP,0.0047/1600	S
C720	181-304V	MPP,0.039J/400	S
C721	0CK1040K945	CK,0.1	R
C722	0CK1040K945	CK, 0.1	R
C723	OCE3376H618	CE,330/25	R
C724	0CE3376H618	CE,330/25	R
C725	0CE2276K618	CE,220/50	R
C726	0CE1066P618	CE, 10/160	R
C727	0CK56101515	CK,560P/1000	R
C728	0CK1040K945	CK,0.1	R
C729	181-2888	CQ, 0.1	R
C730	0CE1066K618	CE,10/50	R
C731	0CK2220W515	CK,0.0022/500 CE,1/50	R
C732 C733	OCE1056K618	CE, 1/30	R R
C734	0CC2210K405	CK,0.1 CC,220P	R R
C735	0CC5600K405	CC,56P	R
4.33	3363666403	00,00	• • • • • • • • • • • • • • • • • • • •

REF.NO.	PART NO.	DESCRIPTION	REMARK
(CAPACITOR		
		DESCRIPTION CQ,0.001M MPP,0.47/250 CQ,0.001M MPP,0.51/250 CQ,0.001M MPP,0.68/250 CE,47/25 MPP,0.22/250 CK,0.1 CK,0.1 X-CAP,0.47 Y-CAP,472P Y-CAP,472P Y-CAP,472M Y-CAP,472M Y-CAP,472M Y-CAP,222M CK,1000P/1KV CE,470/400 CE,4.7/250 MPP,152/1600V CQ,0.033M CE,100/50 CE,47/25 PL,272/100 CE,4.7/50 CK,470P CE,100/16 Y-CAP,472M Y-CAP,472M Y-CAP,472M CC,270P CE,100/10 CK,270P/500 CE,2200/25 CK,270P/500 CE,2200/25 CK,270P/500 CE,2200/25 CK,270P/500 CE,2200/16 CK,270P/500 CE,2200/16 CK,270P/500 CE,100/100 CE,22/100V CE,100/250 CK,270P/500 CE,2200/16 CK,270P/500 CE,100/250 CK,270P/500 CE,2200/16 CK,270P/50 CE,100/10 CE,2200/16 CE,100/16 CE,470/10 CC,560P	REMARK. RSSSSSSRRSSRRRSRRRRRRRRRRRRRRRRRRRR

REF.NO.	PART NO.	DESCRIPTION	REMARK
	RESISTOR		
R424	ORD4701F609	RD, 1/6W 4.7K	R
R425	ORD6802F609	RD, 1/6W 68K	R
R426	ORD4702F609	RD, 1/6W 47K	R
R427	ORD5102F609	RD, 1/6W 51K	R
R428	ORD5602F609	RD, 1/6W 56K RD, 1/6W 560 RD, 1/6W 82K	R
R429	ORD5600F609	RD, 1/6W 560	R
R431	ORD8202F609		R
R432	ORD4702F609	RD, 1/6W 47K	R
R433	ORD5602F609	RD, 1/6W 56K	R
R434	ORD 2403 F 609	RD, 1/6W 240K	R
R435	ORD 1203 F 609	RD, 1/6W 120K	R
R436	ORD2402F609	RD, 1/6W 24K	R
R437	ORD5602F609	RD, 1/6W 56K	R
R438	ORD5602F609	RD, 1/6W 56K	R
R439 R440	0RD5602F609	RD, 1/6W 56K	R
R440	0RD3001F609	RD, 1/6W 3K	R
R442	ORD3302F609	RD, 1/6W 33K RD, 1/6W 15K	R
R442	0RD3003F609	RD, 1/6W 300K	R R
R444	0RD9102F609		
R501	ORD5602F609	RD, 1/6W 91K RD, 1/6W 56K	R R
R502	0RD2702F509	RD, 1/6W 27KG	R
R503	ORD7501F509	RD, 1/6W 7.5KG	R
R504	ORD8200G609	RD, 1/4W 820	Ř
R505	ORD5602F609	RD, 1/6W 56K	R
R506	ORD2002F609	RD, 1/6W 20K	R
R507	ORD2204F609	RD, 1/6W 2.2M	R
R508	ORD 1003F609	RD, 1/6W 100K	R
R509	ORD3003F609	RD, 1/6W 300K	R
R510	ORD2002F609	RD, 1/6W 20K	R
R511	ORD2201F609	RD, 1/6W 2.2K	R
R512	ORD2201F609	RD, 1/6W 2.2K	R
R513	ORD7500F609	RD, 1/6W 750	R
R514	ORD7501F509	RD, 1/6W 7.5KG	R
R515	ORD4703F609	RD, 1/6W 470K	R
R516	ORD5602F609	RD, 1/6W 56K	R
R517	ORD1803F609	RD, 1/6W 180K	R
R518	ORD4701F609	RD, 1/6W 4.7K	R
R519	ORDO102F609	RD, 1/6W 10	R
R520	ORD5601F609	RD, 1/6W 5.6K	R
R521	ORD6801F609	RD, 1/6W 6.8K	R
R522 R601	0RD0472F609	RD, 1/6W 47	R
R602	ORD5602F609	RD, 1/6W 56K	R
R603	0RD9102F609	RD, 1/6W 300K RD, 1/6W 91K	R R
R604	ORD5602F609	RD, 1/6W 56K	R
R605	ORD 1002F609	RD, 1/6W 10K	R
R606	ORD 1002F609	RD, 1/6W 10K	R
R607	0RD3202F509	RD, 1/6W 32KG	R
R608	ORD8202F609	RD, 1/6W 82K	R
R609	ORD3002F509	RD, 1/6W 30KG	R
R610	ORD 1501F609	RD, 1/6W 1.5K	R
R611	ORD5602F609	RD, 1/6W 56K	R
R613	ORD3602F609	RD, 1/6W 36K	R
R614	ORD 1002F609	RD, 1/6W 10K	R
R615	ORD3602F609	RD, 1/6W 36K	R
R617	ORD 1803F609	RD, 1/6W 180K	R
R618	ORD3302F509	RD, 1/6W 33KG	R
R619	ORD9101F609	RD, 1/6W 9.1K	R
R620	ORD6201F609	RD, 1/6W 6.2K	R
R621	ORD0221G609	RD, 1/4W 2.2	R
	ORD4300H609	RD, 1/2W 430	R
	ORD0151H609	RD, 1/2W 1.5	R
R701	0RD5602F609	RD, 1/6W 56K	R
L			

ing.			
REF.NO.	PART NO.	DESCRIPTION	REMARK
	RESISTOR		
R702 R703 R704 R705 R706 R707 R708 R709 R710 R711 R712 R713 R714 R715 R716 R717 R718 R719 R720 R721 R722 R723 R724 R725 R726 R727 R728 R727 R728 R727 R733 R734 R735 R736 R737 R737 R738 R737 R738 R738 R739 R730 R731 R732 R733 R734 R735 R736 R737 R737 R738 R737 R738 R739 R740 R741 R742 R743 R740 R741 R742 R741 R742 R741 R742 R743 R740 R741 R740 R740 R741 R740 R741 R740 R741 R740 R741 R740 R741 R740 R741 R740 R741 R741 R741 R741 R741 R741 R741 R741	1	RD, 1/6W 56K RD, 1/6W 56K RD, 1/6W 20K RD, 1/6W 16KG RD, 1/6W 4.7KG RD, 1/6W 3.3K RD, 1/6W 3.3K RD, 1/6W 30K RD, 1/6W 30K RD, 1/6W 2.4K RD, 1/6W 16 RD, 1/6W 560 RD, 1/6W 560 RD, 1/6W 620 RS, 1/2W 91 RD, 1/6W 4.7K RD, 1/6W 10 RD, 1/6W 220 RD, 1/6W 1.5 RS, 3W 3.9 CEMENT, 5W 68	
R915	ORN0390H609	RN, 1/2W 0.39	R

	REF.NO.	PART NO.	DESCRIPTION	REMARK
	,	RESISTOR		
+	R916	ORD4700H609	RD, 1/2W 470	R
	R918	ORD2201F609	RD, 1/6W 2.2K	R
-	R919	ORD 1000G609	RD, 1/4W 100	R
	R920	ORD 1802F609	RD, 1/6W 18K	R
İ	R921	ORD 1004 F 609	RD, 1/6W 1M	R
1	R923	ORD1002F609	RD, 1/6W 10K	R
	R951	ORNO270H609	RN, 1/2W 0.27	R
	R952	ORN0470H609	RN, 1/2W 0.47	R
1	R953	ORNO270H609	RN, 1/2W 0.27	R
	R954	ORD5600F609	RD, 1/6W 560	R
1	R955	ORD 1001F609	RD, 1/6W 1K	R
	R956	ORD 1003F609	RD, 1/6W 100K RD, 1/6W 7.5KG	R
	R957 R958	ORD 7501F509	RD, 1/6W 3KG	R
1	R959	0RD3302F509	RD, 1/6W 33KG	R
	R960	ORD 1303F509	RD, 1/6W 130KG	R
	R961	ORD5602F509	RD, 1/6W 56KG	R
1	R962	OR03302F509	RD, 1/6W 33KG	R
	R963	ORD5602F609	RD, 1/6W 56K	R
	R964	ORD 1500G609	RD, 1/4W 150	R
	R965	ORD3302F609	RD, 1/6W 33K	R
	R966	ORD6200F609	RD, 1/6W 620	R
	R967	ORD2203G609	RD, 1/4W 220K	R
	R968	ORNO680H609	RD, 1/2W 0.68	R
	R969	ORNO470H609		R
	R1	ORD2400F609	RD, 1/6W 240	R
ŀ		TRANSISTOR		L
Ì	Q101	OTR127009AA	KTA1270	R
1	Q102	OTR200009AB	KTC200Y	R
1	9201	OTR390409AA		R
	9202	OTR390409AA		R
Ì	Q203	OTR319809AA		R
	Q204	OTR126609AA		R
1	Q205	OTR949009AA OTR114009AB		R
	9206 9207	01R114009AB		R
	Q207	OTR320709AA		R
	Q209	OTR949009AA		R
	Q210	OTR949009AA		R
	Q401	OTR319809AA		R
	Q402	OTR338100AA		R
	Q403	OTR319809AA	KTC3198	R
	Q404	OTR319809AA	KTC3198	R
-1	Q501	OTR127009AA		R
1	Q502	OTR319809AA		R
	Q503	OTR195909AA	1	R
-	Q504	OTR127009AA	KTA1270	R
۱,	Q505	OTF573000AA		R R
1	Q601	OTR319809AA	KTC3198	R
	Q602	OTR127009AA		R
	Q603 Q701	OTR319809AA		R
	Q701	OTR200009AB		R
	Q702 Q703	OTR200009AB		R
	Q704	OTR453200AA		R
	Q705	OTR595000AB		R
١,	9706	OTR437000AA		R
	W/DO			R
•		OTR165900AA	KTA1659Y	"
	9707 9708	OTR165900AA OTR320709AA		R
	Q707		KTC3207	1

REF.NO.	PART NO.	DESCRIPTION	REMARK
	TRANSISTOR		
Q801	OTR114009AB	DTC114ES	R
Q802	OTR114009AB	DTC114ES	R
Q803	OTR114009AB	DTC114ES	R
Q804	OTR135000AA	2SK1350 2SK1350	R
Q805 Q806	OTR135000AA	2SK1350	R
Q807	OTR319809AA	KTC3198	R
Q808	OTR319809AA	KTC3198	R
Q809	OTR127009AA	KTA1270	R
Q810	OTR200009AB	KTC200Y	R
Q901	OTR506209AA	SCR, 2N5062	R
Q902	OTR127009AA	KTA1270	R
Q903 Q951	OTR319809AA OTR319809AA	KTC3198 KTC3198	R
4 931	01K317607AA	K103170	
	DIODE		
D101	ODD247109AA	DD,152471	R
D102	00D247109AA	DD, 182471	R
D103 D104	ODD247109AA	DD,1S2471 DZ,MTZ5.1B	R
D201	ODD247109AA	DD, 152471	R
D202	0DZ120009AA	DZ,MTZ12B	R
D203	0DZ510009AB	DZ,MTZ5.1B	R
D204	ODD247109AA	DD,1S2471	R
D205	ODD247109AA	DD,1S2471	R
D206	0DD247109AA	DD,1S2471	R
D207 D208	0DD247109AA	DD,182471 DD,18883	R
D209	0DD247109AA	DD,13363	R
D401	0DZ510009AB	DZ,MTZ5.1B	R
D402	0DZ560009AA	DZ,MTZ5.6B	R
D403	0DD247109AA	DD, 182471	R
D501	0DZ510009AB	DZ,MTZ5.18	R R
D502 D503	ODZ510009AB ODD247109AA	DZ,MTZ5.18 DD,1S2471	R
D504	0DD247109AA	DD,152471	R
D505	0DD247109AA	DD,182471	R
D506	00Z820009AA	DZ,MTZ8.2B	R
ס507	ODD247109AA	DD,1S2471	R
D508	0DD247109AA	DD,182471	R
D509	000300000CB	DD, RGP30G	R
D601	000247109AA 000493509AA	DD,1S2471 DD,1N4935	R
D604 D605	0DD247109AA	DD, 182471	R
D701	0DZ510009AB	DZ,MTZ5.1B	R
D702	000520000BA	DD,5THZ52	R
D703	0DD200000DA	DD, CO21M-15	R
D704	ODD 140009AA	DD, EK14	R
D705	ODD140009AA	DD,EK14 DD,1N4935	R
D706 D707	ODD493509AA ODD493509AA	DD, 1N4935	R
D707	0DZ910009BA	DZ,MTZ9.1B	R
D709	0DD247109AA	DD,1S2471	R
D710	0DD247109AA	DD,1S2471	R
D712	ODD493509AA	DD, 1N4935	R
D801	0DZ120009AA	DZ,MTZ12B	R
D802	ODZ120009AA	DZ,MTZ128	R
D803	0DZ120009AA	DZ,MTZ12B	R
D804 D901	0DD247109AA 0DD406000AA	DD,1S2471 DD,RBV406	R
U7U1		DD, 1N4935	R
0902	I UUU44333UAAA		
D902 D904	0DD493509AA 0DD493509AA	DD, 1N4935	R

	REF.NO.	PART NO.	DESCRIPTION	REMARK
		DIODE		
	D906 D907 D908 D951 D952	0DZ910009BA 0DD247109AA 0DZ560009AA 0DD300900AA 0DD300900AA	DD,1S2471 DZ,MTZ5.6B DD,SB30-09J	R R R R
	D953 D954 D955 D956 D958	ODD493509AA ODD400000AB ODD200000AH ODD247109AA ODD247109AA	DD,1N4935 DD,RU4DS DD,RU2AM DD,1S2471	R R R R
		IC	T	·
△	IC101 IC401 IC402 IC501 IC502 IC601 IC702 IC801 IC802 IC803 IC901 IC902 IC951 IC952	01GS339000A 01GS354000B 01GS358000A 01GS393000B 01GS393000B 01GS910200A 01GS910200A 01T0521100A 01T0521100A 01T0521100A 01T0521100A 01T0633420A 01KE431000A 01GS781200A 01GS780500A	1 .	**************************************
		PIN & CONNEC	CTOR	
	P13-P14 P905- P303	387-779E	PIN,PLUG 4P PIN GIL-7P PIN,GSC-10P PIN,GSC-10P PIN,GSC-10P PIN,MOLEX5096 PIN,MOLEX5096 PIN,MOLEX5096 PIN,MOLEX5096 PIN,HUG 2P PIN,GIL-9P CONNECTOR ASSY CONNECTOR ASSY SWITCH ASSY	S S S S S R R R R S S S S
į				

	REF.NO	PART NO.	DESCRIPTION	REMARK
		TRANS		
\triangle	T501	151-414E	D/D PULSE TRANS	S
•	1701 1702	151-396E	H.DRIVE TRANS	S
<u> </u>	T901	154-225A 151-450A	F.B.T(2437121A) SMPS TRANS	S
		1.2.1.1.20.1	J. J. TRANS	3
		COIL	<u> </u>	
	L201	125-022J	FERRITE, KQ-1	R
	L501	125-022J	FERRITE, KQ-1	R
	L502	150-903A	D/D CHOKE, 5mH	S
	L503	150-235F 125-022J	CHOKE, 25UH	S
	L701	150-235C	FERRITE, KQ-1 HOR CHOKE 100uh	R S
	L705	125-054C	FERRITE	S
	L706	150-885C	H-SIZE, 156uH	s
	L707	150-539G	H-CENTER, 4.5mH	S
ΔŊ	L708	150-370H 150-518F	COIL, H-LIN	s
Λ	L901	150-314F	COIL, CHOKE LINE FILTER	s s
\triangle	L902	150-314F	LINE FILTER	S
	L903	125-022J	FERRITE, KQ-1	R
	L951	150-235F	CHOKE, 25uH	s
	L953	150-235F	CHOKE, 25uH	S
	L954 L955	150-235F 125-022J	CHOKE, 25uH	S
	L956	150-235C	FERRITE,KQ-1 HOR CHOKE,100uH	R
	L957	150-985A	CHOKE 10.3uH	s
		OTHERS	L	
Δ	D-COIL	150-920A	DEGAUSSING COIL	S
Δ	F901	131-039C	FUSE,250V/3.15A	s
Δ	TH901 TH902	163-035D 163-046B	TH, PTC 14 TH, NTC 15	S S
	VR701	180-037N	VR, 10KB	s
	VR1	180-185A	10KB K121L	s
	VR2	180-185E	250KB K121L	S
	SW1	140-058A	TACT SWITCH	S
	SW2 SW3	140-058A 140-058A	TACT SWITCH	S
	SW4	140-058A	TACT SWITCH	S S
	SW5	140-058A	TACT SWITCH	S
	SW6	140-058A	TACT SWITCH	s
	RL701	141-0148	RELAY, UT205-12SA	S
Δ	RL901	141-027B	RELAY, G2R-1	R
	PCB PCB	111-J09B 111-J38A	PCB, MAIN	S
- 1	PCB	111-J39A	PCB,BRI/CONT PCB,U-COM CONTROL	
Δ	CDT	112-854B	M41KXL23XX	s
	EARTH-	170-125A	CPT EARTH ASSY	
	SET			
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Don't degrade the safety of the receiver improper servicing.

2. U-COM BOARD

R3 R4 R5 R6 R7	PART NO. RESISTOR ORD8202F609 ORD2400F609 ORD4702F609 ORD3002F609	RD, RD, RD,	1/6W 82K 1/6W 240 1/6W 47K	REMARK R R
R3 R4 R5 R6 R7	ORD8202F609 ORD2400F609 ORD4702F609	RD, RD,	1/6W 240	R
R3 R4 R5 R6 R7	ORD2400F609 ORD4702F609	RD, RD,	1/6W 240	R
R9 R10 R11 R12 R13 R14 R15 R16 R17	ORD5602F609 ORD3301F609 ORD3301F609 ORD3301F609 ORD3301F609 ORD1002F609 ORD1002F609 ORD5602F609	RD,	1/6W 30K 1/6W 56K 1/6W 3.3K 1/6W 10K 1/6W 10K 1/6W 10K 1/6W 56K	**************************************

Don't degrade the safety of the receiver improper servicing.

REF.NO.	PART NO.	DESCRIPTION	REMARK
	LED		
LED1 LED2 LED3 LED4 LED5 LED6 LED7 LED8	ODL 124000AA ODL 124000AA ODL 124000AA ODL 124000AA ODL 124000AA ODL 124000AA ODL 124000AA ODL 124000AA	KLG124E H-SIZE KLG124E V-POSI KLG124E V-SIZE KLG124E S-PCC KLG124E TRAP KLG124E C.T	s s s s s s s s
	DIODE		
D1 D2 D3 D4 D5	0DZ560009AA 0DZ560009AA	DZ, MTZ5.6B	R R R R
	IC		
IC1 IC2 IC3 IC4	01H1442100B 01NS934600C 01GS442100A 01KE704200B	GSM442G1	S R S R
	PIN & CONNEC	CTOR	
P1 P2 P3 P4 P5 P6 P7 P8 P9 P3- P302	366-155N 366-155G 366-155M 382-114J 382-114J 382-114J 382-114F 387-763F 381-212A 387-763K	GIL-S-14P GIL-S-8P GIL-S-13P GIL-D(SIDE) 10S GIL-D(SIDE) 10S GIL-D(SIDE) 10S GIL-D(SIDE) 7S CONNECTOR ASSY DHSI-15UNT4 CONNECTOR ASSY	~~~~~~~~~
	TRANSISTOR	,	
Q1 Q2 Q3 Q4 Q5 Q6 Q7	OTR127009AA OTR319809AA OTR319809AA OTR319809AA OTR319809AA OTR319809AA OTR319809AA		R R R R R R
	OTHERS		
X1 PCB BPF1 BPF2 PCB	156-010A 111-H51D 166-139U 166-139U 111-H51B	CSA3.58MG000TF u-COM/SIGNAL 1H 104MF 1H 104MF SIGNAL IN	8 8 8 8

3. VIDEO BOARD

R301 R302 R303 R304 R305 R306 R307 R308	PART NO. RESISTOR ORD0752F609 ORD1603F609 ORD1603F609 ORD5602F609 ORD5502F609 ORD1803F609 ORD752F609 ORD5102F609 ORD5102F609	RD,1/6W 75 RD,1/6W 56K RD,1/6W 160K RD,1/6W 75 RD,1/6W 75 RD,1/6W 180K RD,1/6W 75 RD,1/6W 51K	REMARK R R R R R
R301 R302 R303 R304 R305 R306 R307 R308	ORD0752F609 ORD5602F609 ORD1603F609 ORD752F609 ORD5602F609 ORD0752F609 ORD0752F609 ORD5102F609 ORD5602F609	RD,1/6W 56K RD,1/6W 160K RD,1/6W 75 RD,1/6W 56K RD,1/6W 180K RD,1/6W 75	R R R
R302 R303 R304 R305 R306 R307 R308	ORD5602F609 ORD1603F609 ORD0752F609 ORD5602F609 ORD1803F609 ORD0752F609 ORD5102F609 ORD5602F609	RD,1/6W 56K RD,1/6W 160K RD,1/6W 75 RD,1/6W 56K RD,1/6W 180K RD,1/6W 75	R R R
R311 R316 R319 R323 R324 R325 R326 R327 R328 R329 R330 R331 R332 R333 R334 R335 R336 R337 R338 R339 R341 R342 R343 R344 R345 R346 R349 R351 R352 R353 R354 R355 R357 R358 R359 R360 R351 R352 R353 R354 R355 R357 R358 R359 R360 R361 R363 R364 R365 R366 R367 R368 R369 R361 R363 R364 R365 R366 R367 R368 R369 R367 R368 R369 R371 R372	ORD47700F609 ORD47700F609 ORD47700F609 ORD3001F609 ORD3001F609 ORD3001F609 ORD1201F609 ORD1201F609 ORD1201F609 ORD609 ORD	RD, 1/6W 56K RD, 1/6W 470 RD, 1/6W 470 RD, 1/6W 470 RD, 1/6W 470 RD, 1/6W 3K RD, 1/6W 3K RD, 1/6W 620 RD, 1/6W 1.2K RD, 1/6W 1.2K RD, 1/6W 10 RD, 1/6W 680K RD, 1/6W 470 RD, 1/6W 56 RD, 1/6W 390K RD, 1/6W 390K RD, 1/2W 33 RD, 1/6W 56K RD, 1	***************************************

C301 C302 C303 C304 C305 C306 C307 C308 C309 C310 C311 C312 C314 C317 C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C334 C336 C337 C338 C337 C338 C339 C340 C341 C342 C343 C344	APACITOR OCE1076F618 OCK1030K945 OCK1030K945 OCE1076F618 OCK1030K945 OCK1030K945 OCK1030K945 OCK1030K945 OCK1030K945 OCK1030K945 OCK1030K945 OCK1030K945 OCK1030K945 OCK1040K945 OCC1010K405 OCE225BK638 OCK1030K945 OCC1010K405 OCE225BK638 OCK1030K945 OCC1010K405 OCE276BH638 OCK1040K945 OCC107BF638 OCK1040K945 OCC4766F618 OCK1040K945 OCE4766F618		0.01 100/16 47/16 0.01 0.01 100/16 47/16 0.01 10/16 0.1 100/16 0.1 100/16 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 100P	**************************************
C302 C303 C304 C305 C306 C307 C308 C309 C310 C311 C312 C314 C317 C318 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C334 C336 C337 C338 C337 C338 C339 C340 C341 C342 C344 C344	0CK1030K945 0CK1030K945 0CE1076F618 0CE40766F618 0CK1030K945 0CE1076F618 0CK1030K945 0CE1076F618 0CK1030K945 0CK1030K945 0CK1030K945 0CK1040K945 0CK1040K945 0CK1040K945 0CK1040K945 0CE1076F618 0CK1040K945 0CE1076F618 0CK1040K945 0CE225BK638 0CK1030K945 0CE1010K405 0CE225BK638 0CK1030K945 0CE225BK638 0CK1030K945 0CE225BK638 0CK1030K945 0CE225BK638 0CK1030K945 0CE225BK638 0CK1030K945 0CE225BK638 0CK1030K945 0CE225BK638 0CK1030K945 0CE476BH638 0CK1040K945 0CE4766F618 0CK1040K945		0.01 0.01 100/16 47/16 0.01 100/16 47/16 0.01 100/16 0.1 100/16 0.1 100/16 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 100P	R R R R R R R R R R R R R R R R R R R
C303 C304 C305 C306 C307 C308 C309 C310 C311 C312 C314 C317 C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C334 C336 C337 C338 C337 C338 C337 C338 C337 C338 C334 C340 C341 C342 C344 C344	OCK 1030K945 OCE 1076F618 OCE 4766F618 OCK 1030K945 OCK 1030K945 OCE 1076F618 OCK 1030K945 OCK 1030K945 OCK 1030K945 OCK 1030K945 OCK 1030K945 OCK 1040K945	\$\\\; CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	0.01 100/16 47/16 0.01 0.01 100/16 47/16 0.01 10/16 0.1 100/16 0.1 100/16 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 100P	**************************************
C304 C305 C306 C307 C308 C309 C310 C311 C312 C314 C317 C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C334 C336 C337 C338 C337 C338 C337 C338 C337 C338 C334 C336 C337 C338 C334	0CE1076F618 0CE4766F618 0CK1030K945 0CK1030K945 0CE1076F618 0CE4766F618 0CK1030K945 0CK1030K945 0CK1030K945 0CK1030K945 0CK1030K945 0CK1040K945 0CK1040K945 0CK1040K945 0CK1040K945 0CK1040K945 0CK1040K945 0CE1076F618 0CK1040K945 0CE1076F618 0CK1040K945 0CE25BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE276BK638 0CK1040K945 0CE4766F618	CE, CK, CK, CE, CK, CK, CE, CK, CK, CK, CK, CK, CK, CK, CK, CK, CK	100/16 47/16 0.01 0.01 100/16 47/16 0.01 10/16 0.1 100/16 0.1 100/16 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 100P	**************************************
C305 C306 C307 C308 C309 C310 C311 C312 C314 C317 C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C334 C336 C337 C338 C334 C336 C337 C338 C334 C336 C337 C338 C334 C336 C337 C338 C334 C341 C342 C343 C344	0CE4766F618 0CK1030K945 0CK1030K945 0CE1076F618 0CE4766F618 0CK1030K945 0CK1030K945 0CK1030K945 0CK1030K945 0CK1040K945 0CK1040K945 0CK1040K945 0CK1040K945 0CK1040K945 0CK1040K945 0CE1076F618 0CK1030K945 0CC1010K405 0CE225BK638		47/16 0.01 0.01 100/16 47/16 0.01 10/16 0.01 10/16 0.1 0.1 100/16 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 100/16 0.1 47/16 0.1 47/16 0.1	**************************************
C306 C307 C308 C309 C310 C311 C312 C314 C317 C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C334 C336 C337 C338 C337 C338 C337 C338 C337 C338 C334 C341 C342 C341 C342 C344	0CK1030K945 0CK1030K945 0CE1076F618 0CE4766F618 0CK1030K945 0CE1066F618 0CK1040K945 0CE1076F618 0CK1040K945 0CE1076F618 0CK1040K945 0CK1040K945 0CK1040K945 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CE1076F618 0CE225BK638 0CK1030K945 0CE1010K405 0CE225BK638 0CK1030K945 0CE1010K405 0CE225BK638 0CK1030K945 0CE1010K405 0CE225BK638	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0.01 0.01 100/16 47/16 0.01 10/16 0.1 0.1 100/16 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 1	K R R R R R R R R R R R R S R R S R R S R R S R R R R
C307 C308 C309 C310 C311 C312 C314 C317 C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C334 C336 C337 C338 C337 C338 C337 C338 C339 C341 C342 C342 C343 C344	0CK1030K945 0CE1076F618 0CE4766F618 0CK1030K945 0CK1030K945 0CK1040K945 0CK1040K945 0CK1040K945 0CK1040K945 0CK1040K945 0CK1040K945 0CK1040K945 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CE225BK638 0CK1030K945 0CE225BK638 0CK1030K945 0CE1010K405 0CE225BK638 0CK1030K945 0CE1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE2476BH638 0CK1040K945 0CE4766F618 0CK1040K945	\$\\\;\;\\;\\;\\;\\;\\;\\;\\;\\;\\;\\;\\;	0.01 100/16 47/16 0.01 0.01 10/16 0.1 100/16 0.1 100/16 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P	R R R R R R R R R R R R R R R R R R R
C308 C309 C310 C311 C312 C314 C317 C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C334 C336 C337 C338 C337 C338 C339 C340 C341 C342 C342 C343 C344	0CE1076F618 0CE4766F618 0CK1030K945 0CK1030K945 0CE1066F618 0CK1040K945 0CK1040K945 0CK1040K945 0CK1040K945 0CE1076F618 0CK1040K945 0CE225BK638 0CK1030K945 0CE1076K618 0CE225BK638 0CK1030K945 0CE225BK638 0CK1030K945 0CE225BK638 0CK1010K405 0CE225BK638 0CK1010K405 0CE225BK638 0CK1010K405 0CE225BK638 0CK1010K405 0CE225BK638 0CK1040K945 0CE4766F618		100/16 47/16 0.01 0.01 10/16 0.1 100/16 0.1 100/16 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P	R R R R R R R R R R R R R R R R R R R
C309 C310 C311 C312 C314 C317 C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C334 C336 C337 C338 C337 C338 C339 C340 C341 C342 C342 C343 C344	0CE4766F618 0CK1030K945 0CK1030K945 0CE1066F618 0CK1040K945 0CE1076F618 0CK1040K945 0CE1076F618 0CK1040K945 0CE4766F618 0CE4766F618 0CE225BK638 0CK1030K945 0CE225BK638 0CK1030K945 0CE476BH638 0CK1030K945 0CE225BK638 0CK1030K945 0CE225BK638 0CK1030K945 0CE107BF638 0CK1040K945 0CE4766F618 0CK1040K945		47/16 0.01 0.01 10/16 0.1 100/16 0.1 100/16 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 100P 2.2/50 0.01 100P 100/16 0.1 47/16 0.1	R R R R R R R R R R R R R R R R R R R
C310 C311 C312 C314 C317 C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C334 C336 C337 C338 C337 C338 C334 C340 C341 C342 C343 C344	0CK1030K945 0CK1030K945 0CE1066F618 0CK1040K945 0CE1076F618 0CK1040K945 0CE1076F618 0CK1040K945 0CE4766F618 0CE225BK638 0CK1030K945 0CE1010K405 0CE225BK638 0CK1030K945 0CE476BH638 0CK1030K945 0CE225BK638 0CK1030K945 0CE276BH638 0CK1030K945 0CE276BH638 0CK1030K945 0CE276BH638 0CK1030K945 0CE276BH638 0CK1040K945 0CE107BF638 0CK1040K945	\$\\\;\;\\;\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0.01 0.01 10/16 0.1 100/16 0.1 100/16 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 100/16 0.1 47/16 0.1	R R R R R R R R R R R R R R R R R R R
C311 C312 C314 C317 C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C333 C334 C336 C337 C338 C336 C337 C338 C334 C336 C337 C342 C343 C340 C341 C342 C343 C344 C344 C344 C344 C344 C344	0CK1030K945 0CE1066F618 0CK1040K945 0CK1040K945 0CE1076F618 0CK1040K945 0CK1040K945 0CK1040K945 0CK1040K945 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CE276BH638 0CK1030K945 0CE276BH638 0CK1030K945 0CE476BH638 0CK1010K405 0CE276BK638 0CK1030K945 0CE476BH638 0CK1010K405 0CE107BF638 0CK1040K945 0CE4766F618 0CK1040K945	CK, CE, CK, CE, CC, CE, CC, CE, CC, CE, CC, CE, CC, CE, CC, CC	0.01 10/16 0.1 0.1 100/16 0.1 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 100/16 0.1 47/16	R R R R R R R R R R R R R R R R R R R
C312 C314 C317 C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C333 C334 C336 C337 C338 C334 C336 C337 C338 C344 C345 C347 C347 C347 C347 C347 C347 C347 C347	0CE1066F618 0CK1040K945 0CK1040K945 0CE1076F618 0CK1040K945 0CK1040K945 0CE4766F618 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE21040K945	CE, CK, CE, CK, CC, CE, CC, CE, CC, CE, CC, CE, CC, CE, CC, CC	10/16 0.1 0.1 100/16 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 2.2/50 0.01 47/16 0.1	R R R R R R R S R R S R R S R R R R R R
C314 C317 C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C333 C334 C336 C337 C338 C334 C336 C337 C338 C344 C345 C347 C347 C347 C347 C347 C347 C347 C347	0CK1040K945 0CK1040K945 0CE1076F618 0CK1040K945 0CK1040K945 0CE4766F618 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CE476BH638 0CK1030K945 0CE225BK638 0CK1030K945 0CE21010K405 0CE21010K405 0CE107BF638 0CK1040K945 0CE4766F618 0CK1040K945	CK, CE, CC, CC	0.1 0.1 100/16 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 0.1 47/16 0.1 47/16 0.1	R R R R R S R R S R R S R R R R R R R R
C317 C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C333 C334 C336 C337 C338 C337 C338 C334 C336 C337 C342 C343 C341 C342 C343 C344	0CK1040K945 0CE1076F618 0CK1040K945 0CK1040K945 0CE4766F618 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1040K945 0CE4766F618 0CK1040K945	CK, CE, CC, CC	0.1 100/16 0.1 0.1 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 100/16 0.1	R R R R S R R S R R S R R R R
C318 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C331 C331 C332 C334 C336 C337 C338 C337 C338 C334 C336 C337 C338 C344 C342 C343 C344 C344 C344	0CE1076F618 0CK1040K945 0CK1040K945 0CE4766F618 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638	CE, CK, CE, CC, CC, CC, CC, CC, CC, CC, CC, CC	100/16 0.1 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 100P 100P 100P 100P 100P 100P	R R R S R R S R R S R R R R
C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C334 C336 C337 C338 C337 C338 C339 C341 C342 C342 C343 C344	0CK1040K945 0CK1040K945 0CE4766F618 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CE476BH638 0CC1010K405 0CE225BK638 0CK1030K945 0CE1010K405 0CE1010K405 0CE1010K405 0CE1010K405 0CE1010K405 0CE1010K405 0CE1010K405 0CE1010K405 0CE1010K405 0CE1010K405 0CE1010K405 0CE1010K405 0CE4766F618 0CK1040K945	CK,,CEK,CEK,CEK,CEK,CEK,CEK,CEK,CEK,CEK,	0.1 0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 100/16 0.1 47/16 0.1	R R R S R R S R R S R R R
C320 C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C333 C334 C336 C337 C338 C337 C338 C334 C342 C340 C341	0CK1040K945 0CE4766F618 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CE476BH638 0CC1010K405 0CE225BK638 0CK1030K945 0CE1010K405 0CE107BF638 0CK1040K945 0CE4766F618 0CK1040K945	CK, CEKCEKCEKCEKCEKCEKCEKCEKCEKCEKCEKCEKCEKC	0.1 47/16 2.2/50 0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 100/16 0.1 47/16 0.1	RSRRSRRSRRSRRRRRRRRRRRRRRRRRRRRRRRRRRRR
C321 C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C333 C334 C336 C337 C338 C339 C340 C341 C342 C342	0CE4766F618 0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CE476BH638 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE107BF638 0CK1040K945 0CE4766F618 0CK1040K945	CE, CCEK, CCEK, CCEK, CCEK, CCEK,	47/16 2.2/50 0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 100/16 0.1 47/16	S R R S R R S R R R R R
C322 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C333 C334 C336 C337 C338 C339 C340 C341 C342 C343	0CE225BK638 0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CE476BH638 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE107BF638 0CK1040K945 0CE4766F618 0CK1040K945	CE, CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	2.2/50 0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 100/16 0.1 47/16	RRSRRSRRSRRRR
C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C333 C334 C336 C337 C338 C339 C340 C341 C342 C342	0CK1030K945 0CC1010K405 0CE225BK638 0CK1030K945 0CE476BH638 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE107BF638 0CK1040K945 0CE4766F618 0CK1040K945	CK, CE, CE, CE, CE, CE, CE,	0.01 100P 2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 100/16 0.1 47/16 0.1	R S R R S R R S R R R
C324 C325 C326 C327 C328 C329 C330 C331 C332 C333 C334 C336 C337 C338 C339 C341 C342 C341 C342	0CE225BK638 0CK1030K945 0CE476BH638 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE107BF638 0CK1040K945 0CE4766F618 0CK1040K945	CE, CE, CC, CE, CC, CE, CK, CE,	2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 100/16 0.1 47/16 0.1	S R R S R R S R R
C325 C326 C327 C328 C329 C330 C331 C332 C333 C334 C336 C337 C338 C339 C341 C342 C341	0CE225BK638 0CK1030K945 0CE476BH638 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE107BF638 0CK1040K945 0CE4766F618 0CK1040K945	CE, CE, CC, CE, CC, CE, CK, CE,	2.2/50 0.01 47/25 100P 2.2/50 0.01 100P 100/16 0.1 47/16 0.1	R R R S R R S R R
C327 C328 C329 C330 C331 C332 C334 C336 C337 C338 C339 C341 C342 C341 C342	0CE476BH638 0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE107BF638 0CK1040K945 0CE4766F618 0CK1040K945	CE, CC, CK, CC, CE, CK, CE, CK,	47/25 100P 2.2/50 0.01 100P 100/16 0.1 47/16 0.1	R R S R R S R R R
C328 C329 C330 C331 C332 C334 C336 C337 C338 C339 C340 C341 C342 C343	0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE107BF638 0CK1040K945 0CE4766F618 0CK1040K945	CC, CE, CK, CE, CK, CK,	100P 2.2/50 0.01 100P 100/16 0.1 47/16	R S R R S R R R
C328 C329 C330 C331 C332 C334 C336 C337 C338 C339 C340 C341 C342 C343	0CC1010K405 0CE225BK638 0CK1030K945 0CC1010K405 0CE107BF638 0CK1040K945 0CE4766F618 0CK1040K945	CC, CE, CK, CE, CK, CK,	100P 2.2/50 0.01 100P 100/16 0.1 47/16	S R R S R R
C330 C331 C332 C333 C334 C336 C337 C338 C339 C340 C341 C342 C343	0CK1030K945 0CC1010K405 0CE107BF638 0CK1040K945 0CE4766F618 0CK1040K945	CK, CC, CE, CK, CE,	0.01 100P 100/16 0.1 47/16 0.1	R R S R R
C331 C332 C333 C334 C336 C337 C338 C339 C340 C341 C342 C342	0CC1010K405 0CE107BF638 0CK1040K945 0CE4766F618 0CK1040K945	CC, CE, CK, CE,	100P 100/16 0.1 47/16 0.1	R S R R
C332 C333 C334 C336 C337 C338 C339 C340 C341 C342 C342 C343	OCE107BF638 OCK1040K945 OCE4766F618 OCK1040K945	CE, CK, CE, CK,	100/16 0.1 47/16 0.1	S R R
C333 C334 C336 C337 C338 C339 C340 C341 C342 C342 C343	0CK1040K945 0CE4766F618 0CK1040K945	CK, CE, CK,	0.1 47/16 0.1	R R R
C334 C336 C337 C338 C339 C340 C341 C342 C343	0CE4766F618 0CK1040K945	CE, CK,	47/16 0.1	R R
C336 C337 C338 C339 C340 C341 C342 C343 C344	OCK1040K945	CK,	0.1	R
C337 C338 C339 C340 C341 C342 C343 C344		CF.	0.1	1
C338 C339 C340 C341 C342 C343 C344				1 D
C339 C340 C341 C342 C343 C344				R
C340 C341 C342 C343 C344	OCE225BN638 OCE225BN638			R
C341 C342 C343 C344	OCE225BN638		2.2/100	R
C342 C343 C344	OCK1020W515	CK,	0.001/500	R
C343 C344	OCE 106BN638		10/100	s
C344	OCK1040K945			R
	0CC2700K405	cc.		R
1.343	0CC5600K405		56P	R
	0CC8200K405			R
	0CK1040K945		0.1	R
C348	0CC2700K405	CC,	27P	R
C349	OCC8200K405	CC.	82P	R
C350	OCK1040K945	CK,	0.1	R
C351	0CC2700K405	CC,	27P	R
C352	0CC8200K405	CC,	82P	R
C353	OCK1020W515		0.001/500	R
C354	OCE106BN638			S
C355	OCK1040K945	CK,	0.1	R
C356	OCK10301510			R
C357	OCE4751R630		4.7/250	R
C358	0CK1020W515	CE,	0.001/500	R
1	IC	L		1
IC301	01M1523070A	IC.	M52307P	R
10302	01SA080000A	IC.	VPM08	R
1C303	01NS188100A	IC,	LM1881N	R
				1
		1		1
				1

REF.NO.	PART NO.	DESCRIPTION	REMARK
	DIODE		
D301	ODD247109AA		R
D302	ODD247109AA	DD, 1S2471	R
D303	ODD247109AA	DD, 1S2471	R
D304	ODD247109AA		R
D305	ODD247109AA		R
D306	ODD247109AA		R
D309	000247109AA		R R
D310	ODD247109AA ODD247109AA		R
D311 D312	0DD247109AA		R
D312	0DD247109AA		R
D314	ODD247109AA		R
D315	ODD247109AA		R
D316	0DD247109AA		R
0317		DZ, MTZ5.6B	R
D318	0DZ560009AA	DZ, MTZ5.6B	R
D320	00Z560009AA	DZ, MTZ5.6B	R
	TRANSISTOR		
0302	OTR200009AB		R
Q305	OTR319809AA		R
9306	OTR222909AB		R
Q307	OTR949009AA		R
Q308	OTR222909AB		R
Q309	OTR949009AA OTR222909AB		R R
Q310 Q311	0TR949009AA		R
A) (1	JIR747007AA	200747	"
	COIL		ï
L301	150-985A	CHOKE, 10.3uH	s
L302	125-135A	BFD3510R2F	R
L303	125-135A	BFD3510R2F	R
L304	125 - 135A	BFD3510R2F FERITE KQ-1	R
L305	125-022J	FERTIE NUTT	K
	SPARK GAP & I	PIN	
SG301	165-010A	SG, DSP-301N-104 SG, DSP-301N-104	R R
SG302	165-010A	SG, DSP-301N-104	R
SG303 SG304	165-010A 165-010A	SG, DSP-301N-104	
SG305	165-004A	SG, AG20PT 152F	R
P301	366-155J	PIN, GIL-S-10P-S	S
P302	366-155M	PIN, GIL-S-13P-S	S
P303	366-155H	PIN, GIL-S- 9P-S	S
P304	387-744E	CONNECTOR ASSY	S
P307	387-744E	CONNECTOR ASSY	S
	OTHERS		l
	381-094B	CDT SOCKET	R
SOCKET		Lucasa 202 24 40	s
SOCKET	111-Н53В	VIDEO PCB CA-18	
	111-H53B	INTER PER CA-18	
	111-Н53В	INIDEO PCB CA-18	